

Curriculum Vitae

Contact information

Name: ing. Jip Anne Jan van Akker
Address: Techumerdyk 8c
Postal code: 9084 AJ
Location: Goutum (The Netherlands)
Phone: +31 (0) 612556560
Email: jva@logic-design.nl

Personal information

Date of birth: 14 juni 1985
Place of birth: Leeuwarden
Gender: M
Marital status: Unmarried
Nationality: Dutch
Attached information: *Work experience, Personal profile and motivation*

Education

Completed in 1997: Basisschool Wiarda Skoalle, Goutum
Completed in 2002: HAVO – profile Natuur & Techniek, CSG Comenius, Leeuwarden
Completed in 2008: Technische Informatica – Bachelor of Engineering, NHL, Leeuwarden

Vehicle licenses

Rijbewijs -B (Driving license), Light Aircraft Pilot License -S

Written / spoken languages

In order of proficiency: Dutch, English, German

Qualifications

Programming language experience:

- Objective C, Object Pascal/Delphi, C/C++, PHP, JavaScript

Professional experience with:

- Programming environments and development tools: Apple Xcode, Embarcadero Delphi RAD Studio, Microsoft Visual Studio
- All aspects of native Apple iOS application development
- The process of publication in the Apple App Store, the “approval process” including its constraints. Consultancy and advice on this process.
- Various additional API’s, Frameworks and Libraries; JSON, Google Maps API, Google Geocoding API, Sparrow Framework, Facebook/Twitter SDK, Cinema 4D SDK etc. Multiple Apple Frameworks that are required for mobile development
- Various input devices for Motion Capture systems (also integration with Maxon Cinema 4D), including HID-devices, infrared trackers, IMU-platforms (Gyro/acceleration/compass) and precise magnetic field trackers.
- Usage of various Vision algorithms for process automation or capturing motion
- Web development: HTML, PHP, JavaScript, MySQL, CSS, Adobe Dreamweaver, PayPal automated payment systems, FastSpring payment platform, dynamic webpages using the AJAX principle
- General design work and image editing: Adobe Photoshop
- Multiple embedded systems/controllers
- Business aspects: Finding customers, acquisition, planning, and marketing/publicity
- Document editing and administration: Microsoft Office, Apple Keynote, Google Apps for Business

Additionally (includes non-professional):

- On-going development of live tracking system for General Aviation (sports) purposes
- In-depth background knowledge about the working of satellite navigation systems (GNSS) and specifically Global Positioning System (GPS), including Augmentation systems
- Other development tools & environments like NetBeans, Eclipse, Maple, Matlab.
- Aerial photography or video (Licensed by Dutch Ministry of Defense)
- Worked in multidisciplinary team on design and construction of advanced high-performance boat driven by solar energy (Frisian Nuon Solar Challenge), involved as pilot & strategic command during race, designing real-time telemetry system
- 3D modeling: Rhino 3D (technical work)
- Video editing: Sony Vegas Pro, Adobe Premiere Pro
- Audio editing/creation: Propellerhead Reason, Adobe Audition

Personal interests & activities:

- Active in aviation; flying multiple types of gliders, performing cross country flights, obtaining Private Pilot’s License/RPL planned. Also on a smaller scale; flying model aircraft
- Spaceflight: high level of interest in current and historic space exploration missions, including space navigation methods and spacecraft systems
- Playing piano
- Developing/programming my own projects, utilities and games
- GliderTracking - Overall development of live tracking system
- Dutch Electric Glider Challenge – Commission to form the foundation for a 1st edition of this general aviation event

Work experience ⁽¹⁾

Company:	Logic Design
Function:	Founder/owner, Software architect
Location:	Goutum
Period:	May 2010 – present
Function description:	
<ul style="list-style-type: none">- Starting a company (sole proprietorship), creating plans and making contact with customers- Development of various (native) iOS applications for leading companies- Development of various (native) iOS applications as own productions- Advising and customer guidance/consultancy for the Apple “approval process”- Customer guidance for publication of applications in the Apple App Store- Work on secure transfer of data between mobile apps and server systems- Advising on privacy aspects in collecting data on mobile platforms- Advice on websites and automated online payment systems- Keeping myself ahead of others and up-to-date with the latest development tools; Apple beta products, visiting conferences like RAD Studio XE3 World Tour	

Company:	Friesland AV
Function:	Software engineer
Location:	Goutum
Period:	May 2008 – April 2010
Function description:	
<ul style="list-style-type: none">- Development of a (native) iPhone application and a Mac OSX application to communicate with the mobile app. Publication in the Apple App Store- Development of various motion capture systems for Windows & Mac. Related aspects like 3D simulation of various motion platforms (airplane, helicopter) and hardware interfacing- Active in development of 3D-chroma-key principle- Work on efficient and effective real-time filtering methods- Development of dynamic websites and online automated payment methods- Development of a system for automatically generating PDF invoices	

Company / department:	Stentec Software BV / dep. software development
Function:	(Graduation internship) Software developer
Location:	Heeg
Period:	August 2007 – January 2008
Function description:	
<p>Graduation project “Attitude determination using GPS – a study on a Satellite Compass”. This project was unique for my (HBO) education; a project with an inquisitive nature, instead of routine work. Research subjects where; Developing automated (dynamic) position filtering, analyzing raw GPS “pseudorange” data using multiple GPS receivers in one system. The final grade for the project was: 9.</p>	

Company / department:	Stentec Software BV / Software dep.
Function:	Software developer
Location:	Heeg
Period:	February – May 2008
Function description:	
<p>Follow-up research “Attitude determination using GPS”. To summarize, I continued to work on the project at Stentec after finishing the graduation internship.</p>	

Company / department:	Computer Vision Lab & Kiestra Lab Automation BV / Research dep.
Function:	(Internship) Software developer
Location:	Drachten
Period:	January – June 2007
Function description:	
<p>Working within a team on the development of software, to analyze biologic samples using Vision technology. Unique to this internship was being able to directly test the product (in development) at customers, during which I frequently needed to work together with these customers.</p> <p>Also at Kiestra, I continued working on the project after finishing the internship period itself, during the summer holidays.</p>	

Company / department:	Interay BV / afd. Software Ontwikkeling
Function:	(Internship) Software developer
Location:	Bergum
Period:	augustus 2004 – januari 2005
Function description:	
<p>Mainly work on a new embedded PC system utilizing the “CANopen” protocol. Gaining experience on technical subjects like Dynamic Link Libraries (DLL), Shared memory mapping, combining Borland Delphi/C++ libraries within Microsoft Visual C++. Also work on an entirely different project regarding the development of an internal website. A dynamic website containing all of Interay’s components/products. Gained more experience on PHP/MySQL. Working together with a Chinese translator to provide a full English/Chinese experience.</p> <p>At Interay, I continued working on the project last mentioned above, after finishing the internship period itself.</p>	

⁽¹⁾ References available upon request

Personal profile and motivation

Qualities & ambitions

In-depth technical knowledge and interest in a wide range of topics is applicable to me. I always like to view things from different perspectives. It's probably no wonder the same can be applied to the way I spend some of my spare time. Flying. I love to look at the world literally from a birds-eye view. I really enjoy the dynamic environment you're confronted with, while sitting in the cockpit at the controls of a sailplane. That includes the important aspect of tactical decision-making during longer cross-country flights.

Professionally I'm more attracted towards new projects with an inquisitive nature rather than routine jobs or standard processes. I like to see my fascination for technology in the work I do. The desire to solve problems by analyzing every step into detail to get to the source. Produce clear conclusions. I don't mind to work independently, but also have experience with working in teams including guiding them. Presenting the work I do or discussing it with others is an important way for me to get input and gain new insights.

Emphasizing the importance of safety is distinctly to me. For example during preparations in organizing the 2nd Solar Challenge I officially recommended that there should be better regulations on battery management/safety. Eventually, these specific improvements were indeed implemented in the new Challenge rules. To me, discussing any potential problem early on instead of ignoring them is important.

What am I looking for?

To work at a place that challenges me. Where I can fully exercise my knowledge. And maybe even more important, at a place where I can continue to learn new things. A company that is really committed to what it's doing. With a clear vision on what they're trying to accomplish, and where I can fully stand behind the product or project I'm working on. A no-nonsense approach at a place that tolerates constructive criticism on important matters.

The possibility to continue growing and the opportunity to work on multiple projects over time, not just a single thing. Versatility in the work I'm doing is important to me.