Steven Zilberberg

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Objective

Motivated and passionate engineer who loves to learn, seeking a position in computer/hardware engineering. I am one who is passionate about finding long term solutions to problems and continuing to expand my skillset.

Technical Skills

Programming

Languages:	C/C++, C#, VB/VB.NET, Python, Java, SQL, Swift
Web:	HTML, CSS, Javascript, Angular, React
Structures:	JSON, XML
Tools:	JIRA, Bitbucket, Bamboo, Jenkins, Git, AWS, Nuget
Utilities:	Visual Studio, VS Code, WinMerge, Wireshark, Postman
Protocols:	RS-232, Telnet, SSH, UDP/TCP Ethernet, ARINC-429, MIL-Chapter10, MIL-1588

Operating Systems

Windows   MacOS   Linux (Ubuntu/Rasbian)

Professional Experience

- **Curtiss-Wright (Teletronics Technology Corporation)**, *Senior Software Engineer & Mobile Developer*, Newtown, PA (Jan 2014 - Present)
  - Lead Engineer for government funded Air Plane Control Panel; required collaboration with multiple departments to design, build, test, and deliver a project from conception to completion
  - Implemented several proprietary and non-proprietary Ethernet UDP/TCP protocols including Pulse Coded Modulation which was ethernet packet fragmentation capable
  - Created and implemented a unified file structure with compliance for apps across multiple platforms
  - Conducted several customer facing quality control and testing along with documentation and inter-departmental procedure changes
  - Migrated and Implemented new systems and procedures to use JIRA, Bitbucket, Bamboo, and Confluence to improve code quality and tracking and overall documentation
  - Maintained DevOps responsibilities for internal Atlasssian software systems
  - Extracted redundant code and implemented libraries across multiple applications to support hardware communication, proprietary and open standard file formats, and general utilities
  - Worked on a high definition camera which was utilized in the Artemis 1 NASA launch
- **Teletronics Technology Corporation**, *Software Engineering Intern*, Newton, PA (Summers of 2011, 2012, 2013)
  - Designed and built applications for Windows, Android, and iOS for internal and external usage
  - Developed with ARINC 429 data transfer device
  - Worked with Visual Basic, C#, and C++, Java, XML on an advanced level

Education

- The College of New Jersey, Ewing, NJ, December 2013
  - Bachelor of Science, Computer Engineering
- Dean's List, School of Engineering, The College of New Jersey (Fall 2009 & Spring 2013)
- Brother of the Alpha Epsilon Pi Fraternity

Personal Accomplishments

- More than ten years of martial arts experience at Tiger Schulmann's Karate
  - Has earned Black Belt ranking along with competition experience
- Self taught iOS and Android programming
- Constantly learning and practicing electronics design; currently designed a half dozen of independent PCBs
- Completed Harvard CS50; final project utilizes Python's Flask framework, API calls to a Phillips Hue Bridge