

Kaitlyn Carey

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SUMMARY OF QUALIFICATIONS

- Experienced in the software specification, design, and development process.
- Experienced in coding using both high-level and low-level programming languages.
- Experienced in programming for embedded systems.
- Skilled at clear communication, including code documentation.
- Experienced in the design, analysis, implementation, and testing of a variety of programs, algorithms, and data structures.
- Knowledgeable in the interaction of hardware and software.
- Skilled at object-oriented Programming.
- Experienced in web development.
- Skilled in applied mathematics, including calculus, differential calculus, linear algebra, statistics, and discrete mathematics.
- Knowledgeable about wireless and wired networking technologies and protocols.
- Experienced in digital and analog circuit design.
- Knowledgeable about solar cell technology.

TECHNICAL EXPERTISE

<i>Programming:</i>	Java, C, C++, Python, MIPS Assembly, X86 Assembly, HTML, CSS, JavaScript, MATLAB
<i>Operating Systems:</i>	Linux, UNIX, Windows 7, Windows Vista, Windows XP, Mac OS
<i>Software:</i>	Microsoft Word, Excel, PowerPoint; Adobe Creative Suite, Xcode, Eclipse, NetBeans
<i>Hardware:</i>	CPU and Memory Architecture, Solar Cells, Antennas for Wireless Networking, Digital and Analog Circuits, Hardware Interface and Programming for Microcontrollers

EDUCATION

- Senior at the University of Pittsburgh's Swanson School of Engineering
- Expecting to graduate in May 2017 with a BSE in Computer Engineering
- Dean's Honor List
- Cumulative GPA of 3.3

WORK EXPERIENCE

Bombardier Transportation Rail Control Solutions Division

Intern - Region Automatic Train Protection development team

Summer, 2016

- Participated in the design and implementation process of a recovery server.
- Wrote and debugged C code for a train protection system.
- Wrote documentation for code changes.

YMCA Camp Hi-Rock

Camp Counselor

Summer, 2011 and 2012