KARA I VAILLANCOURT

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Education

B.S. Computer Science, Spring 2017
Virginia Tech, Blacksburg VA
College of Engineering
GPA: 3.41

Work Experience

Developer Intern, Qualcomm, San Diego, CA   *June 2015 – August 2015*
- Scripted in Perl to automate analysis of Youtube download patterns on mobile to optimize network sleep time and conserve battery with the LTE Software Integration Team

Project Manager, Institute for Creativity, Arts, and Technology, Blacksburg, VA   *Dec 2013 – Dec 2014*
- Managed project records, budget of over $600,000, and team communications of 20 team members
- Solved large scale collaborative computing problems including system networking, data storage, image processing, HCI, and motion tracking
- Award recipient at Interdisciplinary Research Day at Virginia Tech 2014

Developer Intern, Heyo, Blacksburg, VA   *May 2014 – Dec 2014*
- Single-handedly created, designed, and implemented Heyo Cart prototypes for production
- Worked with HTML, CSS, JavaScript, Python, PHP, and the APIs of Facebook, Pinterest, and PayPal to help small businesses to sell with social media
- Featured in Inc. Magazine, in review for TechCrunch, and being used by thousands of customers

Activities

Programs
- Computer Science Department Student Ambassador, Virginia Tech   *2014 - present*
  - NCWIT award presenter and speaker at Microsoft and Regional Grace Celebration   2014, 2015
  - High-school recruiting and company relations liaison
- CodeU, Google   *June 2015 – August 2015*
  - Invite-only Android program with 5 month Google mentoring and expense paid summit to present finished applications

Memberships
- Society of Women Engineers (SWE)   *2013 – present*
- Association for Women in Computing (AWC) Treasurer   *2013 – present*
- Honors Residential College (HRC) Junior Apartment Fellow   *2013 – present*

Honors & Awards

National Scholarships
- GE Women's Networking Scholarship   *2014 & 2015*
- National Center for Women in Information Technology National Award for Aspirations in Computing   *2013*

Conference Scholarships
- Apple, World Wide Developer's Conference, WWDC Scholar   *2015*
- Google, National Grace Hopper Celebration, Travel Grant   2014
- AWC@VT, National Grace Hopper Celebration, Scholarship Recipient   2013

Skills

Programming Skills
- Java, C - Extensive Projects
- HTML, CSS, JavaScript, Perl, SQL   - Moderate projects
- Python, Flash Professional Actionscript, Swift, Objective C   - Small projects
- C++, PHP, Ardunio, MATLAB, Ruby   - Small exercises

Coursework
- Data Structures & Algorithms I & II, Computer Organization I & II, Undergraduate Research
  - Bluetooth-powered Arduino lamp with Android app and 3D printed structure
  - Android applications including Minesweeper, Yelp Restaurant Finder, Weather app
  - GIS System of large database manipulation and organization using Java and advanced data structures

Independent Work
- Udacity Android, MIT Open Coursware C++, CodeSchool Angular.js & Javascript, Treehouse CSS & HTML, CocoaNuts:iOS Swift & Objective C
  - iOS Resume App
  - Wheel of Eats Android app
  - Preliminary Google Glass development
- Hackathons – Hack Mobile, Hack for Impact, VT Hacks, QC Women's Hack