

Kiana Marie McNellis

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Education

Rensselaer Polytechnic Institute
B.S. in Computer Science – GPA 3.82

Troy, NY
May 2017

Experience

- Microsoft – Developer and Product Manager Intern** May '15 – Aug '15
Worked on the Office 365 Foundations Engineering's Customer Insights team to design and develop a Azure-based system that processes and evaluates customer usage and tenant data. Created visualizations in order to enable the team to generate insights and analyze how customers were using the product, with the goal of increasing usability and customer satisfaction.
- Verizon Cloud Computing – Hypervisor Team Intern** May '14 – Aug '14
Worked on the Hypervisor team to develop the compute backend for their cloud hosting platform. Designed and developed a system to automatically export the memory dumps and log files from crashed servers to enable the developers to be able to effectively debug and recover from problems. Helped create program for long-term secure key management across releases.
- The Inventor's Guild – Inventor and Software Developer** Feb '15 – Present
Working as part of a student-run think-tank and consulting firm whose members collaborate to brainstorm and develop ideas for businesses and inventions, consult and perform contracting work for early-stage start-ups, and promote entrepreneurship in the school and local community.
- Rensselaer Center for Open Source – Program Coordinator, Mentor, Software Developer** Aug '14 – Present
RCOS is a student run organization that aims to promote open source, creativity, and entrepreneurship and organizes ~125 students every semester to work on various projects that aim to improve our community and solve societal problems. My responsibilities include organizing meeting and talks, coordinating with the students and mentors, and mentoring student developers to help them learn and contribute.
- Academic & Research Computing Help Desk – Student Consultant** Aug '14 – May '15
Served as a front-line technical resource for students in need of software help, IT, and computer repair services on campus.
- RPI Computer Science Department – Data Structures Undergraduate Teaching Assistant** Aug '14 – May '15
Facilitated lab sections for students in Data Structures, assessed knowledge and skills, and helped troubleshoot bugs.

Projects

- Writer's Block** Jan '15 – May '15
Developed a cross-platform mobile word game best described as Scrabble-meets-Battleship, where users gain territories by entering words to capture tiles and powerups and try to steal territories from their opponent. Featured at the Game Developers Conference and RPI's Interactive Demo Day.
- CSCI Homework Server (Rensselaer Center for Open Source)** Jan '14 – May '15
Designed and implemented an automatic programming assignment grading server to efficiently accept, compile, and grade the output of over 300 student code submissions per week at RPI and to display feedback to the students. Mentored a new team of students to assume responsibility for the project and continue development.
- Alfred the Butler Bot (RPI Embedded Hardware Club)** Sep '13 – May '14
Created a soft drink dispensing & self-driving robot based on an Android tablet touch screen ordering system, and an Arduino microcontroller embedded control navigating and dispensing system for RPI's accepted students day.
- Artificial Eye - White Cane (High School Senior Capstone Project)** Sep '12 – Jun '13
Designed and built an ultrasonic sensor based handheld cane for the Blind that provided tactile feedback to the user about their surroundings in order to be able to navigate with more freedom of movement.

Achievements

Dean's List (F '13 – Present), HackBU Best Design (S '15), AT&T Tech Valley Civic App Challenge Honorable Mention (S '15), YHack Pebble Prize (F '14), RPI Microsoft Code Competition (F '13), White Key Service & Leadership Award (S '15)

Activities

Alpha Phi Omega Service & Leadership Fraternity	Sep '13 – Feb '15	Upsilon Pi Epsilon Computing Honors Society	Feb '15 – Sep '00
ACM's Women in Computing		Girl Scouts of America	

Skills

Programming Languages: C++, Javascript, Python, LaTeX, Bash, HTML, LESS. **Experience with:** C, PHP, Haskell.
Software and Frameworks: Mac OS, Linux, Windows, Unity, D3, Siemens NX CAD, Microsoft Office Suite.