

Kiana Marie McNellis

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Education

Rensselaer Polytechnic Institute

B.S. & M.S. in Computer Science – GPA 3.83

Troy, NY

May 2017

Experience

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 for and perform contracting work for early-stage start-ups, and promote entrepreneurship in the local community. Contracted with several local startups to build prototypes and proof of concepts.

Rensselaer Center for Open Source – Lead 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 while working on Open Source Projects.

Microsoft – Software Engineering Intern

May '16 – Aug '16

Developed a search provider for Window's Cortana search team to enable users to easily search and act upon notifications, missed calls, and low battery alerts received from their phones through Cortana's cross-device platform. Created developer features to allow easy creation of new experimental providers for prototyping and development.

Microsoft – Developer and Product Manager Intern

May '15 – Aug '15

Designed and developed a Azure-based system for the Office 365 Foundations Engineering's Customer Insights team to process and evaluate 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.

RPI Computer Science Department – Introduction to Open Source Teaching Assistant

Aug '15 – May '16

Assisted the professor in teaching students about the basic skills and technologies necessary to be a good contributor to Open Source and how to contribute to the community, and mentored teams contributing to large Open Source projects.

Verizon Cloud Computing – Hypervisor Team Intern

May '14 – Aug '14

Worked on the Hypervisor team of their cloud hosting platform. Developed system for automatic export of logs and memory dumps from crashed servers to enable effective debugging. Helped create long-term secure key-management system.

Projects

Venue (Rensselaer Center for Open Source)

Jan '16 – Present

Built a website and API to allow students to remotely verify their attendance at events outside the classroom without the Instructor's presence required by using their phone's camera and GPS for the Art_X program at RPI. Team of 3 developers.

Lightfeed (Smart Lighting Engineering Research Center)

Aug '15 – Dec '15

Created glasses-mounted embedded project to monitor the user's biometric data and spectrally resolve their ambient light exposure for lighting research applications. Wrote firmware to receive sensor data and communicate over Bluetooth

Writer's Block

Jan '15 – May '15

Developed a cross-platform mobile word game best described as Scrabble-meets-Battleship, where users compete against an AI to gain territories by entering words to capture tiles and power-ups 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

Built an CS assignment grading server to accept, run, grade, and give feedback for over 300 student code submissions per week at RPI. Mentored a new team of students to take over the project from the original team of 5 and continue development.

Achievements

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

Activities

Alpha Phi Omega Service & Leadership Fraternity Sep '13 –
ACM's Women in Computing Feb '15 –

Upsilon Pi Epsilon Computing Honors Society
Girl Scouts of America

Feb '15 –
Sep '00 –

Skills

Programming Languages: C++, JavaScript, Python, \LaTeX , Bash, HTML, LESS. **Experience with:** C, C++/CX, PHP, Haskell, Java.

Software and Frameworks: D3, Node.js, AngularJS, Bootstrap, MongoDB, Unity2D, Mac OS, Linux, Windows.