Kiana Marie McNellis

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Education

Rensselaer Polytechnic Institute   Troy, NY
  B.S. in Computer Science– GPA 3.82   May 2017
  Selected coursework: Artificial Intelligence, Software Design and Documentation, Data Structures, Algorithms, Computer Control and Operations

Experience

Microsoft – **Developer and Product Manager Explorer Intern**   May '15 – Aug '15
  Worked on the Office 365 Foundations Engineering's Customer Insights team to design and develop a system to proccess and evaluate customer usage and tennat data to visulize and analyze how they were using out product and to help gain insights on how to improve the product to increase usability and customer satisfaction

Verizon Cloud Computing – **Hypervisor Team Intern**   May '14 – Aug '14
  Worked with the hypervisor team to develop the compute backend for cloud hosting. 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 implement a system for long term secure key management across releases.

The Inventor's Guild – **Inventor and Software Developer**   Feb '15 – Present
  Member of a think tank and consulting firm whose members collaborate to consult for early-stage start-ups, start their own companies and projects, and compete in various competitions, having won over three dozen awards, and performed consultation and contracting services for nearly a dozen start-ups since inception in September '12

Rensselaer Center For Open Source – **Mentor ('15 –) and Software Developer**   Aug '14 – Present
  Mentor student groups and assist with programing and organizational guidance while working on Open Source software

Academic & Research Computing Help Desk – **Student Consultant**   Aug '14 – May '15
  Front line technical resource for students for assistance in solving IT and computer related issues.

RPI Computer Science Department – **Data Structures Undergraduate Teaching Assistant**   Aug '14 – May '15
  Facilitate lab sections for students in Data Structures, assess knowledge and skills, and help troubleshoot bugs

Projects

Writer's Block   Jan '15 – Present
  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.

Homework Server **(Rensselaer Center For Open Source)**   Jan '14 – Present
  Working on designing and implementing 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.

Alfred the Butler Bot **(RPI Embedded Hardware Club)**   Sep '13 – May '14
  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.

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 their surrounding easier and with more freedom of movement.

Achievements

Dean's List (Fall '13-), **White Key Service & Leadership Award** ('15), **YHack Pebble Prize** (Fall '14), **HackBU Best Design** (Spring '15), **AT&T Tech Valley Civic App Challenge Honorable Mention** (Spring '15), **RPI Microsoft Code Competition** (Oct '13)

Activities

Alpha Phi Omega Service and Leadership Fraternity Sep '13 -	Upsilon Pi Epsilon Computing Honors Society	Feb '15 -
RPI Relief: Mighty Waters Organizer and Volunteer Sep '13 -	Embedded Hardware Club	Sep '13 -
Association for Computing Machinery - Women Feb '15 -	Girl Scouts of America	Sep 2000 -

Skills

Programming Languages: C++, Python, Bash, Assembly Language, Visual Basic, , Javascript, PHP, HTML, CSS, LESS
Software: Mac OS, Linux, Windows, Unity, Visual Studio, Eclipse, Siemens NX CAD, Microsoft Office Suite