Kristen R. Marventano

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https://kmarventano.github.io
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EDUCATION

New York University College of Arts and Science (2013-Present)   Expected Graduation: Dec. 2017
BA candidate in Computer Science with a minor in Mathematics   GPA: 3.47

WORK EXPERIENCE

Teaching Assistant for Girls Who Code   (Summer 2017)
- Instructed students in fundamentals of computer science with Scratch and Python, robotics with Arduino, and basic web development using JavaScript, HTML, and CSS
- Developed extra lessons in areas of interest including hardware, cyber security, databases, and Git
- Assisted students in completion of projects in web development, mobile development, and robotics

Teaching Assistant for NYU General Engineering   (2015-Present)
- Assisted students with completing semester long design projects in robotics, digital logic, and logistics
- Maintained, operated, and completed material research with departmental 3D printers

Research Assistant and Thompson-Bartlett Fellow for NYU School of Engineering   (Summer 2015)
- Assisted in design and development of robotic solution for Con Edison underground wire project
- Utilized SolidWorks, 3D printing and Arduino construct working prototype

PROJECTS

pill pal
- Developed iPhone application to read prescriptions and generate reminders
- Featured at NYU Computer Science Showcase
- Technologies: Swift and Tesseract OCR

Mood Diary
- Developed web application that allows users to track their moods
- Technologies: JavaScript, Node.js, Mongoose.js, Passport.js, bcrypt.js, Bootstrap, Handlebars.js,

Autonomous Underwater Vehicle
- Designed and constructed submarine with LEGO Mindstorms to navigate underwater obstacle course
- Awarded Nick Russo Award for Outstanding General Engineering Design

EXTRACURRICULAR ACTIVITIES

President of NYU chapter of Society of Women Engineers   (2014-Present)
- Revitalized chapter from probation status to award winning for outstanding programming
- Contacted engineers and recruiters to coordinate events to promote and support women in STEM
- Created dedicated job board for members

NYU Pep Band   (2014-Present)
Society of Professional Hispanic Engineers Junior Mentorship Program   (2014-2015)
The School of the Future Physics Tutor   (2013-2015)
Lime Connect   (2014-Present)

SKILLS

- *Languages*: (Proficient) Java, Python (Prior Experience) Swift, JavaScript, Objective C, HTML/CSS, C
- *Technology*: 3D Printing and Modeling, Arduino, OS X, Linux/Ubuntu, LEGO Mindstorms
- *Software and Frameworks*: Node.js, Mongoose.js, Git, XCode, Eclipse, SolidWorks, LabVIEW