

Personal Website

<https://www.rickymangerie.com>

Education

Drexel University
Bachelor of Science in Computer Science
Tracks: Human-Computer Interaction, Software Engineering

Philadelphia, PA
Anticipated Graduation: June 2020
Cumulative GPA: 3.77

Skills and Certifications

- Coding Languages: Java, HTML, JavaScript, Python, C++, C#, Swift, R, Racket, Bash, MIPS
- Software: IntelliJ, Atom, Dreamweaver, PyCharm, Visual Studio, Android Studio, Xcode, Photoshop, Bridge, RStudio, GitHub and Git Shell (VCS), Terminal (Mac), Command Prompt (Windows), DrRacket, Vim, QtSpim
- IT Certifications: TestOut PC Pro, TestOut Network Pro

Co-op Experience

Children's Hospital of Philadelphia
Motion-Capture Engineering Clinical Research Assistant

Philadelphia, PA
September 2016 to March 2017

- Worked with accelerometer- and gyroscope-based wearables to track motion
- Developed code in R to ensure data quality and to produce and format wearable output
- Assisted in the development of a mobile application in Android Studio for at-home wearable use
- Provided technical support to workers who use the wearables
- Created technical documentation and manuals for wearable use

OSIsoft, LLC.
Software Developer

Philadelphia, PA
September 2017 to March 2018

- Helped convert from the PI Vision 3 to the PI Vision 4 web-client visualization tool
- Developed telemetry code in C# to track usage of the PI Vision conversion tool
- Designed an interface in Microsoft Power BI to display user program usage
- Created an application in WPF and C# to more easily mass-apply PI ProfileView configurations

Technical Project

F.I.N.N. the Robot Butler
Project Manager

Philadelphia, PA
January 2016 to June 2016

- Programmed a robotic arm and chassis in Python which ran through a Raspberry Pi mini-computer
- Integrated and programmed Bluetooth functionality to allow for remote connection
- Coordinated team roles and tasks and conducted effective execution of weekly plan and schedule
- Implemented a well-defined methodology to maximize potential of successful and timely outcome

Relevant Coursework

Computer Programming I, II
Mathematical Foundations of Computer Science
Web and Mobile App Development
Systems Architecture

Advanced Programming Tools and Techniques
Data Structures
Software Design

Activities and Affiliations

- Drexel University Photography Club, Vice President, Philadelphia, PA, 2016 to Present
- Pi Lambda Phi, Rush Chair, Philadelphia, PA, 2018 to Present
- The National Society of Collegiate Scholars, Philadelphia, PA, 2016 to Present
- Nationalities Service Center, Philadelphia, PA, 2016
- Rotary International, Beaver Falls, PA, 2015

Scholarships, Honors, and Awards

- A.J. Drexel Scholarship, Drexel University, 2015 to Present
- Monaca PNA Scholarship Fund, Polish National Alliance, 2015 to Present
- Dean's List, Drexel University, All Terms for 2015-16 and 2016-17 Academic Years
- Computer Science Award, Blackhawk High School Department of Computer Science, 2015