Richard Mangerie
ricky@drexel.edu

3903 Baring Street • Unit 1 • Philadelphia, PA 19104 • 724-683-2913

Personal Website

https://www.cs.drexel.edu/~rmm429/info.html

Education

Drexel University   Philadelphia, PA
Bachelor of Science in Computer Science   Anticipated Graduation: June 2020
Tracks: Human-Computer Interaction, Software Engineering   **Cumulative GPA: 3.77**

Skills and Certifications

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

Co-op Experience

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

Technical Project

F.I.N.N. the Robot Butler   Philadelphia, PA
Project Manager   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

Previous Employment

Z Pub and Diner   Beaver Falls, PA
Host   January 2013 to August 2016
- Implemented an effective technological waiting system under the NoWait interface
- Coordinated an efficient seating system to ensure a better workplace flow and promote customer satisfaction
- Trained incoming hosts on the ethics of effective hosting

Relevant Coursework

Computer Programming I, II   Advanced Programming Tools and Techniques
Mathematical Foundations of Computer Science   Data Structures
Web and Mobile App Development

Activities and Affiliations

- Drexel University Photography Club, Social Media Chairman, Philadelphia, PA, 2016 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