

Ricky Mangerie

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EDUCATION

Drexel University

Bachelor of Science in Computer Science

Focuses: Software Engineering, Human-Computer Interaction

Philadelphia, PA

March 2023 Graduate

Major GPA: 3.54 | Cumulative GPA: 3.28

SKILLS & CERTIFICATIONS

Coding Languages & Environments

Java, C, Python, SQL, HTML/CSS, JavaScript, Gradle, REST APIs

AWS Lambda, Go, PHP, Swift, R, C++, C#, Power BI, WPF, Bash, Agile development

IT Certifications

TestOut PC Pro, TestOut Network Pro

EXPERIENCE

Aramark (Senior Project)

Backend/Database Developer

Philadelphia, PA

Sep 2019 - Jun 2020

- Created a proof-of-concept in a team of 6 for an iOS app that allows ordering and delivering food through university meal plans
 - Aggregated and stored menu data using the Marko API and SQL to be displayed within our app
 - Developed a mock ordering and delivery system using Swift, PHP, and SQL
 - Followed an agile development plan with 4-week sprints alongside a team lead at Aramark

Comcast (Co-op)

Digital Assistant App Developer

Philadelphia, PA

Sep 2018 - Mar 2019

- Worked on a team of 5 using AWS Lambda and Go to incorporate the VoiceEdge conference system into the Comcast Business Alexa skill to enhance the user experience
- Independently integrated the Comcast Business Favorites system into the Alexa skill using JavaScript
- Created a frontend in HTML/CSS, JavaScript, and PHP to allow users to directly access and modify their Favorites

OSIsoft, LLC. (Co-op)

Software Developer

Philadelphia, PA

Sep 2017 - Mar 2018

- Converted the proprietary OSIsoft visualization tool to a web-client version within a team of 4
- Designed and developed telemetry code in C# to track the conversion progress of the visualization tool
- Created an interface in Microsoft Power BI to display conversion telemetry metrics
- Upgraded the UI of the OSIsoft data array display application to a modern version using WPF/C#

Children's Hospital of Philadelphia - Center for Autism Research (Co-op)

Motion-Capture Engineer

Philadelphia, PA

Sep 2016 - Mar 2017

- Conducted clinical trials utilizing computer vision and motion-based technology to track motor behavior
- Created and developed code in R to ingest, analyze, and compare motion data gathered during trials
- Spearheaded development of a mobile application in Android Studio/Java for at-home motion capture
- Trained all new and existing research assistants on motion technology usage for clinical trials

AWARDS & EXTRACURRICULARS

Drexel Merit Scholarship: Drexel University

Sep 2015 - Jun 2021

Monaca PNA Scholarship Fund: Polish National Alliance

Sep 2015 - Jun 2020

Drexel University Photography Club: Vice President

Feb 2018 - Jun 2020

Piano: professionally trained for 6 years, focuses in Classical and Jazz

Jan 2009 - present