

Corey Urbanke

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Objective

To obtain a Software Engineering Co-Op which will allow me to build upon my problem-solving skills and further develop my ability in the Computer Science field.

Available: Spring 2022, Summer 2022, or Fall 2022.

Education

Rochester Institute of Technology (RIT), Rochester, NY

Expected May 2024

Bachelor of Science, Computer Science

Minor in French - Modern Languages

Cumulative GPA: 3.85/4

Skills

Programming Languages: Python, Java, C, MIPS, JavaScript, CSS, C#/.NET

Operating Systems: MS Windows, Linux/Unix, Mac OSX, Ubuntu, VirtualBox, Raspberry Pi

Software & Applications: JetBrains Suite, MS Visual Studio, Office 365, GitHub, Slack, Trello, Discord,

Confluence/Jira/BitBucket, MobaXTerm, Xilinx SDK

Projects

Tool Management Webapp, Academic Project

- Webapp display of a Tool Management System using Python (PyCharm IDE), ReactJS, and Flask/Restful API to connect to a database hosted on RIT CS servers
- Collaborated with team members using Git/GitHub to create a display of tools for a particular user through SQL queries given to the database

WebCheckers, Academic Project

- Worked with team project members to create an online game of American Checkers utilizing the Spark Framework with communication through Trello, Slack, and GitHub/Git
- Utilized Java while working with JavaScript, CSS, and FreeMarker for the front-end display
- Applied the Scrum/Sprint methodology, worked to implement game functionality, unit testing, and design documentation while adhering to specific design standards

Password Manager GUI, Personal Project

- Developed app in Python using PyCharm IDE to take a list of username and password information and store them in a database through SQL queries
- Programmed front-end GUI using PyQt5, XML and Tkinter to have user-friendly interface

Concentration Game GUI, Academic Project

- Worked in a team utilizing Git/GitHub to build a card flipping game utilizing client/server input
- Developed app in Java using IntelliJ Idea IDE and JavaFX GUI functionality
- Integrated backtracking algorithms, file handling, I/O

Work Experience

Alion Science and Technology, Rome, NY

June 2021 – August 2021

Intern (Co-Op)

- Worked closely with embedded systems developing software on the NGADN DirecNet team
- Assisted testing and documented diligently at Air Force Research Laboratory - Stockbridge
- Integrated encryption routines using OpenSSL libraries to secure data sent between nodes
- Networked video stream between nodes utilizing UDP protocol and V4L2/FFmpeg C libraries

Superior Car Wash, Marcy, NY

June 2020 – September 2021

Digital Marketing Specialist

- Designed graphics and descriptions for social media campaigns to drive sales and website traffic

Crew Member

- Effectively promoted car wash sales, provided excellent customer service
- Assisted supervisor to train new employees

Northeast Cyber Forensics Center, Utica, NY

July 2018 - August 2018

Intern

- Assisted in real investigations and broadened my knowledge of cybersecurity in the Economic Crime and Justice Studies building on the Utica College campus