

Corey Urbanke

coreyurbanke@gmail.com | (315) 723-5527

Education

Rochester Institute of Technology (RIT), Rochester, NY

Expected May 2024

Master of Science, Computer Science

Bachelor of Science, Computer Science

Minor in French - Modern Languages

Cumulative GPA: 3.86/4

Skills

Languages/Frameworks: Python, Java, C/C++, C#/.NET, JS/ReactJS/Angular, HTML/CSS, MATLAB

Data Science/AI/ML: Clustering (KMeans, DBSCAN), Classification (Dec. Tree, Regression, KNN),

Analysis: (NumPy, Pandas, Matplotlib, Seaborn), Model Development, Computer Vision, Data Mining

Software/OS: Office 365, Git/GitHub, Slack, Discord, Confluence/Jira/BitBucket, Xilinx SDK, MS Azure,

MuleSoft, AnyPoint Studio, MySQL, PostgreSQL, MongoDB, OrientDB, Ubuntu, VirtualBox, Raspberry Pi

Projects

DirecNet Logging Application, Internship Project

- Developed a full-stack MongoDB, Express, ReactJS, Node (MERN) web application to streamline feature testing and logging, performance and code changes, and store important unit testing data
- Gained hosting experience with Microsoft Azure's Cosmos DB, Web Service, and Resources
- Interfaced with JIRA and BitBucket Server APIs, OpenWeather API, and Syncfusion React components to deploy a quick and feature-rich UI

Family Photos Webapp, Personal Project

- Utilized a ReactJS/JavaScript, Python, Flask/Restful API, PostgreSQL full stack to query family photos on home hard drive connected to a Raspberry Pi
- Implemented user-based front-end, media metadata parsing to display info, custom live photo support, shared albums, and more, giving functionality like Google Photos

Poker Home Game Webapp, Personal Project

- Webapp to visualize, manage, and query statistics and useful information for Poker home games, equipped with dashboard, live game tracking, and charts to model data over time
- Hosted using AWS S3, EC2, and RDS connected to GitHub Actions pipeline for easy CI/CD
- Modeled front-end using ReactJS, along with Node Express API + middleware for JWT auth.

Work Experience

RIT ESL Global Cybersecurity Institute, Rochester, NY

December 2022 – December 2023

Software Vulnerability Researcher (Part-Time)

- Support cybersecurity research tools contracted by the Department of Homeland Security
- Generalized automated techniques in vulnerability mining/gathering using Java/Spring/Selenium
- Migrated existing AngularJS webapp to Angular 2+ framework, improving data visualization & UX

Constellation Brands, Victor, NY

February 2023 – August 2023

Data & Analytics Integrations Intern (Co-Op)

- Elevated On-Premise Mulesoft system APIs to CloudHub through Anypoint Platform
- Placed 1st in Hackathon using ChatGPT & Stable Diffusion models to make media generating app
- Presented changes to DTC eCommerce sites to executives with cross-functional Intern team

Mission Technologies, a division of HII, Rome, NY

May 2022 – August 2022

Software Engineer Intern (Co-Op)

- Networked video stream between nodes utilizing UDP protocol and V4L2/FFmpeg C libraries
- Developed full stack application while working closely with DirecNet team interfacing SW, HW, and FW components and completing program demonstrations at AFRL Stockbridge site

Carrier Corporation, Syracuse, NY

January 2022 – May 2022

Software Engineer Intern (Co-Op)

- Integrated reusable ReactJS components for Unit Reports in eCAT suite, manipulated calculation data, and collaborated with fellow interns to assess crucial UI defects
- Visualized, modeled, and implemented a ReactJS/C#/.NET/MySQL application for tracking ECR's
- Worked full-time in a fast-paced Agile/Scrum environment utilizing Jenkins CI/CD pipelines