MAX MEINHOLD

Seeking Fall 2019/Spring 2020 Co-op
@ mxmeinhold@gmail.com   📞 (410) 991-5479
⌂ mxmeinhold

EDUCATION

Rochester Institute of Technology
Computer Science B.S.
📅 2017 – 2021

EXPERIENCE

Emergent Space Technologies
Software Intern
📅 June 2016 – August 2016   📍 NASA Goddard Spaceflight Center

Built a GPS solution in MATLAB from the ground up. Analyzed GPS distortion as a factor of the International Space Station's structure for NASA's Global Ecosystems Dynamics Investigation LIDAR project.

Classroom Technology Support
AV Technician
📅 January 2019 – Current   📍 Rochester Institute of Technology

Conduct installation, configuration, maintenance, and repair of classroom and auditorium AV systems.

AV Responder
📅 January 2018 – Current   📍 Rochester Institute of Technology

Handle customer support for RIT classroom and auditorium AV systems, including general maintenance and immediate issue resolution.

PROJECTS

External Accounts Connector
⌂ https://github.com/ComputerScienceHouse/eac

Built a broker in Python using Flask that allows Computer Science House members to associate their LDAP account with various third-party OAuth 2.0 identities and automate related management actions.

Database Execution and Deletion Administrative Self-Service
⌂ https://github.com/ComputerScienceHouse/DEaDASS

Created a self-service application to allow users to automatically provision and manage both SQL and NoSQL databases. Provides a RESTful API using Java with Spring Boot.

Quotefault Slack Bot
⌂ https://github.com/mxmeinhold/csh-quotefault-bot

Developed a Slack bot for Quotefault, a member quote database for Computer Science House. Allows interacting with the service via its associated REST API and utilizes natural language processing techniques to create new views into the data.

ThemeSwitcher
⌂ https://github.com/mxmeinhold/CSHThemeSwitcher

Implemented a solution for storing and applying a global stylesheet preference for each user across various internal microservices. Built using AngularJS and Node.js with Express.

SKILLS

Languages
Java   Python   C   LaTeX   SQL   MATLAB   JavaScript

Tools
Bash   Linux   Git   Flask   NodeJS   Express

ACTIVITIES

Computer Science House
Member
📅 September 2017 – Current

A university community of computing centred people focused on technical and social development of its members.

Systems Administrator
📅 January 2019 – Current

Responsible for monitoring and maintaining CSH's server room and services.

FRC® Team 1111
Member
📅 2014 – 2017

Worked in programming, electrical, graphics, photo, video, and pit crew.

VOLUNTEER WORK

Asexual Community Survey Team
📅 August 2017 - Current

Assist in processing and analysis, survey design, and report creation for the annual Asexual Community Survey.

FIRST® Robotics
Finger Lakes Regional
📅 March 2018

Helped to set up and staff a 3 day *FIRST* Robotics Competition regional.

FIRST Chesapeake Central Maryland District Qualifier Event
📅 March 2016 - 2017 (Annual)

Helped to organize, staff, and run a two day robotics competition for 40 teams.

South County Showdown
📅 December 2013-2016 (Annual)

Assisted in hosting and staffing a *FIRST* LEGO® League Qualifier and Junior *FIRST* LEGO League expo for inspiring in children an interest in STEM.