

MAX MEINHOLD

EDUCATION

Rochester Institute of Technology
Computer Science B.S.

📅 August 2017 – December 2020

EXPERIENCE

Facebook

Production Engineer Intern

📅 May 2020 – August 2020

Migrated infrastructure configuration generation code for a large scale service running live in production, while adding validation, automation, and reorganising the codebase to support more streamlined changes and reduce configuration errors.

Constant Contact

Software Engineering Intern

📅 January 2020 – May 2020

Worked with Java Spring Boot, Javascript, and React on a team supporting multiple applications in a full stack environment. Primarily contributed to customer facing calendar and campaign listing pages, and APIs to support them. Transitioned to remote work partway through internship.

Syncurity

API Integrations Intern

📅 May 2019 – August 2019

Worked remotely. Automated the enumeration and wrapping of APIs and SDKs via Python. Integrated various tools into a central platform by developing StackStorm packs.

Emergent Space Technologies

Software Intern

📅 June 2016 – August 2016

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.

PROJECTS

impeach

🔗 <https://github.com/mxmeinhold/impeach>

Implemented a Node.js and Express.js website to allow users to submit performance evaluations and constructive criticism of the CSH executive board. Evals are stored in MongoDB using Mongoose and copied to a Slack channel.

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.

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SKILLS

Languages

Python C JavaScript Java \LaTeX SQL
MATLAB

Tools

Linux Git Openshift/OKD Flask Bash
SQLAlchemy NodeJS Express Docker

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.

CERTIFICATIONS

Wilderness First Aid

SOLO Wilderness Medicine

📅 Valid through September 1, 2019

VOLUNTEER WORK

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.

Central Middle School Tutoring

📅 September 2013 – May 2017

Tutored middle school students in various subjects, primarily maths and sciences.