Zachary Hart

CONTACT INFORMATION

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https://github.com/zthart
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OBJECTIVE

To improve the material conditions for all through accessible, innovative technology.

EDUCATION

Rochester Institute of Technology - Rochester, NY   https://rit.edu
B.S. Computer Science   August 2015 - December 2019

WORK EXPERIENCE

Okta - San Francisco, CA   https://okta.com
Sr. Software Engineer - Identity Ecosystem   Aug 2021 - Present

A member of the **atSpoke** team within Okta's Identity Ecosystem engineering org. **Full-stack** engineer working to bring a robust web-based workflow system to Okta's upcoming IGA offering. Participated in integration efforts between the atSpoke team and the existing Identity Ecosystem org, as well as growing the team through hiring and onboarding of new engineers.

atSpoke - San Francisco, CA   https://atspoke.com
Software Engineer II   February 2021 - August 2021
Software Engineer I   January 2020 - Februrary 2021

Full-stack engineer developing a **React** web application with a **Node.js** backend. Worked directly on a cross-functional team to complete a migration and redesign of the application's frontend framework from **Angular** to React. Lead technical design efforts on a number of key product features and improvements, including atSpoke's **Workflows** system. Developed and tested new features efficiently as a member of a globally distributed team, as well as a sole engineer, until the company's acquisition by **Okta** in August 2021.

Blackbaud - Charleston, SC   https://blackbaud.com
Software Engineer Intern - Full Stack   May 2019 - August 2019

A member of the **Data Intelligence** group, developing applications to better facilitate customer interaction with their data. Utilizing **Angular** and **.NET Core**, backed by **Azure** cloud services, migrated existing services to a microservice architecture. Developed and tested microservices in an environment with a robust Azure DevOps **CI/CD** release pipeline. Created platform services for the management and export of user-created lists of metadata-driven data.

TECHNICAL SKILLS

Languages Python, C#, Java, C, Javascript, Typescript
Frameworks, Libraries, & Tools Flask, Django, Requests, Pytest, SQL, MongoDB, .NET Core, Angular, React, Jest, Mocha, GCP/AWS/Azure Cloud Services (Azure DevOps)
Operating Systems Linux (CentOS/RHEL/Fedora, Debian/Ubuntu), Windows, macOS

PROJECTS

Mizu & Potion Seller   https://github.com/zthart/mizu
A duo of **RESTful API**s for the web-connected vending machines at RIT's *Computer Science House*. Written in **Python**, leveraging the **Flask** microframework, the API enables any member to drop drinks having authenticated with internal SSO. Designed and built alongside a rewrite of the web application.

Pourover   https://github.com/zthart/pourover
A **Python** library for parsing and manipulating CEF messages and log files - used in production in an enterprise environment, and available on pypi.

Huffman Lite
Written in **C**, Huffman Lite is a huffman-like encoding and compression algorithm. Utilizing a tree structure similar to a huffman tree, Huffman Lite can encode and decode both human readable files and binary files.