

# Zachary Hart

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## CONTACT INFORMATION

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github.com/zthart

## OBJECTIVE

Seeking a **full time position** or internship in **Software Engineering** beginning January 2020

## EDUCATION

**Rochester Institute of Technology** - Rochester, NY

August 2015 - Present

- Major: B.S. Computer Science
- Expected graduation: December 2019

## WORK EXPERIENCE

### Blackbaud

Software Engineer Intern - Full Stack

<https://blackbaud.com>

May 2019 - August 2019

Practiced agile development practices within 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.

### Syncurity

Integrations Engineer

<https://syncurity.net>

July 2017 - Present

Collaborated with a remote team in a small and fast-paced startup environment to integrate third party APIs and services into our product using **Python**. Wrote integrations that have been certified by leading companies in the security space (**McAfee**, **Splunk**, **Cisco**, **ServiceNow**), and participated in partner programs with many more. Gained experience in working with a team of engineers and security analysts both within the company and as clients, remote and on-site, to understand the needs of our users.

## PROJECTS

### Mizu & Potion Seller

<https://github.com/zthart/mizu>

A duo of **RESTful APIs** 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.

### Poulover

<https://github.com/zthart/poulover>

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.

## TECHNICAL SKILLS

**Languages** Python, C, C#, Java

**Frameworks, Libraries, & Tools** Flask, Django, Requests, Pytest, SQL, MongoDB, OpenGL

**Operating Systems** Linux (CentOS/RHEL/Fedora, Debian/Ubuntu), Windows, macOS

## EXTRACURRICULAR

### CSH (Computer Science House)

House Improvements Director  
Drink Administrator

<http://www.csh.rit.edu/>

August 2016 - June 2017

March 2016 - Present

Computer Science House, or CSH, is a group of technically-minded students at the Rochester Institute of Technology that all share a goal of learning and creating through collaboration. Members past and present have been responsible for creating many projects that have seen success at RIT, as well as in the public space.