

Braeden Smith

braeden.dev

braeden2@illinois.edu

github.com/braeden

linkedin.com/in/braeden-smith

EDUCATION

University of Illinois at Urbana-Champaign - Computer Engineering - GPA 3.45 | May 2022

- > **Relevant Coursework:** Computer Systems Programming & Data Structures and Algorithms

EXPERIENCE

Castle.io - Software Engineering Intern - San Francisco, CA | Summer 2019

- > Developed a full stack web app and a sophisticated Node.js serverless function which integrated to create a scalable credential stuffing attack demo
 - Used in live demos to solidify \$200,000+ in sales
- > Created several Ruby tools which interfaced with sales APIs to collate data and verify accuracy of leads in order to effectively target potential customers
 - Refactored/rewrote a large existing codebase, condensing thousands of lines of code
 - Parallelized and increased speed by >50x for web scraping task involving ~10,000 sites
- > Contributed to an Angular project for product demos, which displayed Castle's functionality including API calls, a simulated browser flow, email view, and device switcher in a single page application

CAST Software - Software Engineering Intern - New York City, NY | Summer 2018

- > Developed a Jenkins plugin in Java to run after successful CI/CD which served to easily integrate CAST's static code analysis and result upload in the build process
- > Programmatically added 1500+ library/framework identifiers and associated information for Python, PHP, C#/.NET and Java, so CAST Highlight could recognize many popular libraries
- > Introduced dozens of "Cloud Readiness" patterns for Python and PHP in CAST Highlight

Zenabi Data - Software Engineering Intern - Westport, CT | Spring 2018

- > Worked heavily in Python using web scraping and various APIs to amass datasets for ML and NLP
- > Used Markov chains and TensorFlow to create simple text generating models

SKILLS

Languages - JavaScript/TypeScript, Python, Ruby, C++, Java, C, SystemVerilog, Bash

Frameworks/Libraries - Express.js, Angular, React, Socket.io, TensorFlow.js, Puppeteer, jQuery

Technologies - Node.js, Linux, Git, Github, Heroku, AWS, and Google Cloud Platform

PROJECTS

[fast-img](#) - Website and additional Chrome extension, that leans on fast data center internet to dramatically increase image access speed, by serving scaled images based on URL (Express.js, Sharp, Heroku)

[sms-sentiment](#) (HackIllinois 2020) - Full stack web application which parses uploaded SMS conversations and plots sentiment over time with TensorFlow.js or Google's Natural Language API (Express.js, TF.js, Chart.js)

[WebPixelMap](#) - Take an arbitrary video and display it across phones in stadiums & concerts -- using each connected device as a single pixel in mapped playback. (Python, Node.js, Socket.io, FFmpeg)