Braeden Smith

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EDUCATION

University of Illinois at Urbana-Champaign | Computer Engineering   **GPA 3.50** | Dec 2021

> **Past Experience:** Course Assistant for Introduction to Electronics (ECE 110)

SKILLS

Languages   JavaScript/TypeScript, Python, Ruby, C++, Java, C, SystemVerilog
Libraries   Express.js, React.js, Socket.io, Sharp, TensorFlow.js, Puppeteer
Technologies   Node.js, Linux, Git, Heroku, Firebase, Google Cloud Platform

EXPERIENCE

Vistaprint | Software Engineering Intern   **Remote (Boston, MA)** | Summer 2020
A large e-commerce company that provides mass customization on everything from business cards to masks

> Worked on multiple React.js, Redux + Gatsby front-end applications — added "pickup points" as a shipping option, improved developer experience and introduced features to a shared React component
> Contributed to multiple Java (Spring Boot) microservices centered around order management — added bug fixes, metric collection and unit testing
> Added event monitoring to front-end/back-end services and setup corresponding New Relic dashboards

Castle | Software Engineering Intern   **San Francisco, CA** | Summer 2019
A fast growing SaaS startup who integrates with existing logins to prevent account takeover & credential stuffing

> Developed a full stack web app and a serverless function to perform large credential stuffing demos
>   ○ Used in live demos to solidify $200,000+ in sales with Datadog and more
> Created several Ruby tools which interfaced with sales APIs to collate data and verify accuracy of leads
>   ○ 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 in a SPA

CAST Software | Software Engineering Intern   **New York City, NY** | Summer 2018
A software intelligence company who provides project insights like code health, dependencies and static code analysis

> 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

Zenabi Data | Software Engineering Intern   **Westport, CT** | Spring 2018
A data science startup that produces data analysis and machine learning models for fields like air-travel and e-commerce

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

PROJECTS

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)

Pictionary - A minimal real-time drawing app — generate words, create rooms, customize your brush — draw on a shared canvas with a unique game link (Express.js, WebSockets, TypeScript, GCP)

WebPixelMap (HackIllinois 2019) - 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)*