

# Braeden Smith

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## EDUCATION

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

- > **Current Experience:** Course Assistant for Data Structures and Algorithms - CS 225
- > **Past Experience:** Course Assistant for Introduction to Electronics - ECE 110 (2 semesters)

## SKILLS

**Languages** JavaScript/TypeScript, Python, Ruby, Java, C++, C, SystemVerilog

**Libraries** Express.js, React.js, Socket.io, Sharp, TensorFlow.js, Puppeteer

## 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*)