Jake Kinsella
SOFTWARE DEVELOPER

CONTACT

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📍 40 Leon Street, Boston, MA 02115

📅 Available for Co-op from January - June 2020

EDUCATION

Northeastern University, Boston, MA

BS in Computer Science

First Year Student

Expected Graduation: 2022

DEV SKILLS

Skillful: Scala, React, Javascript, HTML/CSS, Java, Ruby

Proficient: NodeJS, Python, Lua, AWS Services, Data Streaming

Familiar: C, Rust, Kafka, Elasticsearch, PostgreSQL, Distributed Systems

EXTRACURRICULARS

.406 Ventures Student Fellow

Studio Engineer at Generate

Northeastern Toastmasters

Husky Startup Challenge

Entrepreneurship Club

FRC Team 4761 (high school robotics)

VOLUNTEERING

Mentor at the Clubhouse Network

FIRST Lego League Coach for Middle school students

FIRST Robotics Field Reset volunteer

TECHNICAL EXPERIENCE

Threat Stack - Data Engineering Intern
Boston, MA - May 2019 to August 2019
- Worked as a data engineering intern in a cybersecurity company
- On team tasked with building out event search using real-time streaming/batch processing applications processing billions of events, and Elasticsearch
- Was given the responsibilities of a full software developer, dealt with highly distributed systems and a microservice architecture

CandidateXYZ - Founder
Reading, MA - March 2018 to September 2018
- Worked full time over the summer of my senior year to build out the company and find customers for my product
- Built a web app designed to remove the artificial barriers of running for local political office
- Automated campaign finance laws and made it easy to register to run for office.

Talla - Web Development Intern
Boston, MA - June 2017 to August 2017
- Worked as a software engineering intern at a chatbot machine learning startup
- Built out a data annotation platform that would allow them to import Slack conversations and rate whether Talla's (their chatbot) response was correct or not and what it should be.
- This allowed their data scientists to rapidly improve their product and allowed them to outsource data annotation to those outside the company, speeding up the rate at which they could build their product.

Nutonian - QA Engineering Intern
Boston, MA - June 2016 to August 2016
- Worked as a QA Engineering Intern at a general purpose machine learning startup
- Built their performance testing suite which allowed them to track their API performance over time
- Maintained many fully automated Selenium tests, learning how to develop strong automated browser tests and testable websites.

CloudHealth Tech - Software Engineering Intern
Boston, MA - June 2014 to August 2015 (over two summers)
- Worked as a software engineering intern in a cloud management startup
- Developed an invoice generator for customers
- Involved in all phases of software development from implementation to deployment, and participated in an Agile team

PROJECTS AND CREATIONS

Hierarchy
- A task manager allowing users to map out tasks/goals as trees while giving users the ability to track those goals in a column/card view (like Trello)
- Typescript/React webapp with a Scala/Finangle API backed by Neo4j and PostgreSQL
- Currently under active development, trying to acheive feature parity with Trello so I can move my personal task management over to it

Custom CPU Emulator
- Emulates a custom CPU with a limited instruction set, and built an assembler for the CPU
- Designed a custom CPU and made hundreds of design decisions for the custom stack

Intel 8080 Emulator
- Developed an Intel 8080 CPU emulator in C
- Emulates the Intel 8080 CPU based on the original Intel specification
- Fully tested instruction set and CPU interrupts