

Da-Jin Chu

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EDUCATION

Northeastern University

Aug 2017 – May 2021

Candidate for a Bachelor of Science in Computer Science. GPA: 3.95/4.00

Coursework: Computer Systems, Intro to Cybersecurity, Algorithms, Logic and Computation, Building Extensible Systems, Object Oriented Design, Embedded Design, Discrete Structures

Activities: TA for Fundamentals of Computer Science 1, Technical Director of Sandbox

EMPLOYMENT

Software Engineer, Co-Op

Alignable

Jul 2019 – Present

- Rapidly developed and deployed full-stack code for features that provide user value, increase user generated content, and incentivize paid upgrades.
- Increased number of users creating and engaging with content by creating geofenced forum discussions.
- Drove repeated and habitual user activity by overhauling the forum notification system.
- Completely rebuilt and optimized public-facing pages to improve search engine rankings.

Software Engineer, Intern

RSA

May 2018 – Jun 2019

- Elevated product knowledge across the sales engineering department by building an enterprise search tool from scratch, which included backend APIs, a React frontend, and scrapers for a range of internal sites.
- Improved flexibility and robustness of product demos by leading three interns to build a portable system that runs interactive demos anywhere from briefing centers in Singapore to booths at conferences.
- Maintained and secured production VMs and created a web application to track VM maintenance.

Software Engineer, Intern

MITRE

Jun 2016 – Aug 2017

- Enabled the Air Force to monitor GPS satellite health by integrating real time signals from ground stations around the world into an online interactive map of the GPS satellite constellation.
- Designed and implemented a REST API to achieve feature parity with an existing web application.

ADDITIONAL EXPERIENCE

Technical Director

Sandbox at Northeastern

Oct 2018 – Present

- Founded a software consulting club with 25 members building custom software for researchers.
- Collaborated with a team of developers and a designer to create the public website: sandboxneu.com.
- Worked with researchers to translate ideas and requirements into technical specifications.
- Built a web app for a Yale professor studying how accurately subjects empathize with someone in a video.
- Creating a web-based data annotation system to help a professor train an activity recognition model.

PROJECTS

- **SearchTRACE**: Site for students to explore course evaluation data and make informed course selection choices. Scraped Northeastern site, indexed data with Elasticsearch, and hosted a frontend.
- **MIT Battlecode**: Bot to play a real-time strategy game against another bot. Placed top 24 of 1000+ teams.
- **Gesture Calculator**: Mobile calculator for Android where users can use drag and drop gestures to rearrange numbers and equations in a “graph paper” environment.

SKILLS

Languages & Databases: JavaScript, Java, Python, Ruby, HTML, MySQL, MongoDB, Redis, Elasticsearch
Frameworks React, Gatsby, Next.js, Express.js, Jekyll, Rails, Android
Development Tools: Git, Vim, Ubuntu, VMware, Docker, NGINX, TravisCI, DigitalOcean
Spoken Languages: English (fluent), Mandarin (fluent)

INTERESTS AND ACTIVITIES

Volunteering: Teaching elementary school kids the engineering design process.

Hobbies: Photography, cooking, rock climbing, non-fiction, sci-fi, music.