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**
- Rebuilt page to show user-submitted reviews of national brands and added search and filter.
- Refactored Q&A forum to support geofenced discussions, increasing engagement with nearby businesses.
- Overhauling notification system for forums to drive repeated and habitual usage.

Software Engineer, Intern   **RSA**   **May 2018 – Jun 2019**
- Designed and implemented an enterprise search tool to scrape documents from a range of internal sites, ensuring sales engineers have the product knowledge needed to sell effectively.
- Led three interns to build a portable system to run product demos at conferences and briefing centers.
- Maintained and secured production VMs and created a web application to track VM maintenance.

Teaching Assistant   **Northeastern University**   **Sep 2018 – May 2019**
- Held office hours and labs and graded for Fundamentals of Computer Science 1.

Software Engineer, Intern   **MITRE**   **Jun 2016 – Aug 2017**
- Led development of an online interactive map of the GPS satellite constellation, which enabled the Air Force to monitor GPS satellite signal health in real time.
- 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.
- Built a web app for a Yale professor studying how accurately subjects empathize with someone in a video.
- 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.

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.
- **Psychology Research:** Revamped software for conducting word similarity experiments in a psychology lab.
- **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.
- **Edot Calculator:** Handheld calculator for special needs students struggling to understand decimals.

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.