

Da-Jin Chu

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EMPLOYMENT

Software Engineer, Co-Op	Alignable	Jul 2019 – Present
<ul style="list-style-type: none">Rebuilt page to show user-submitted reviews of national brands and added search and filter.Refactoring Q&A forum to give businesses in the same town and businesses of the same franchise a space to discuss topics specific to their community.		
Software Engineer, Intern	RSA	May 2018 – Jun 2019
<ul style="list-style-type: none">Designed and implemented an enterprise search tool to ensure sales engineers can find what they need.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
<ul style="list-style-type: none">Held office hours and labs and graded for Fundamentals of Computer Science 1.		
Software Engineer, Intern	MITRE	Jun 2016 – Aug 2017
<ul style="list-style-type: none">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.		

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	

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.

ADDITIONAL EXPERIENCE

Technical Director	Sandbox at Northeastern	Oct 2018 – Present
<ul style="list-style-type: none">Founded Sandbox, a student organization that accelerates research through software.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.		

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.