

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 reviews of national brands written by our members and implemented search and filter.Refactoring our forum to give businesses in the same town and businesses of the same franchise a space to discuss topics that are specific to their community.		
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	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.		
Software Engineer, Intern	MITRE	Jun 2016 – Aug 2017
<ul style="list-style-type: none">Led the 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 build our website: sandboxneu.com.Providing technical guidance and coaching for twenty-five members across six teams.		

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.