

# Da-Jin Chu

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## EMPLOYMENT

<b>Software Engineer, Co-Op</b>	<b>Alignable</b>	<b>Jul 2019 – Present</b>
<ul style="list-style-type: none"><li>Rebuilt page to show user-submitted reviews of national brands and added search and filter.</li><li>Refactoring Q&amp;A forum to give businesses in the same town and businesses of the same franchise a space to discuss topics specific to their community.</li></ul>		
<b>Software Engineer, Intern</b>	<b>RSA</b>	<b>May 2018 – Jun 2019</b>
<ul style="list-style-type: none"><li>Designed and implemented an enterprise search tool to ensure sales engineers can find what they need.</li><li>Led three interns to build a portable system to run product demos at conferences and briefing centers.</li><li>Maintained and secured production VMs and created a web application to track VM maintenance.</li></ul>		
<b>Teaching Assistant</b>	<b>Northeastern University</b>	<b>Sep 2018 – May 2019</b>
<ul style="list-style-type: none"><li>Held office hours and labs and graded for Fundamentals of Computer Science 1.</li></ul>		
<b>Software Engineer, Intern</b>	<b>MITRE</b>	<b>Jun 2016 – Aug 2017</b>
<ul style="list-style-type: none"><li>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.</li><li>Designed and implemented a REST API to achieve feature parity with an existing web application.</li></ul>		

## EDUCATION

<b>Northeastern University</b>	<b>Aug 2017 – May 2021</b>
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

<b>Technical Director</b>	<b>Sandbox at Northeastern</b>	<b>Oct 2018 – Present</b>
<ul style="list-style-type: none"><li>Founded a software consulting club with 25 members building custom software for researchers.</li><li>Built a web app for a Yale professor studying how accurately subjects empathize with someone in a video.</li><li>Collaborated with a team of developers and a designer to create the public website: <a href="https://sandboxneu.com">sandboxneu.com</a>.</li><li>Worked with researchers to translate ideas and requirements into technical specifications.</li></ul>		

## SKILLS

<b>Languages &amp; Databases:</b>	JavaScript, Java, Python, Ruby, HTML, MySQL, MongoDB, Redis, Elasticsearch
<b>Frameworks</b>	React, Gatsby, Next.js, Express.js, Jekyll, Rails, Android
<b>Development Tools:</b>	Git, Vim, Ubuntu, VMware, Docker, NGINX, TravisCI, DigitalOcean
<b>Spoken Languages:</b>	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.