

Daniel Chang

<https://github.com/changdaniel>

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EDUCATION

- **Northwestern University** Evanston, IL
Bachelor of Science in Computer Science and Statistics; In-Major GPA: 3.97; High Honors June 2022

SKILLS

- **Languages:** Python, Java, Javascript, C#, C++
- **Tools:** AWS (EC2, RDS, Amplify, Lambda), DB (MongoDB, SQLite, MySQL), Linux, Vim, Git, Pipenv, Docker
- **Technologies:** Flask, pandas, sklearn (Python), React, Extensions (JS), SQL, GraphQL (Query), HTML (Web)

EXPERIENCE

- **Amazon** Seattle, WA
Software Development Engineer Intern: Same Day Delivery Jun 2020 - Sep 2020
 - Developing order visualization for the microservice pipeline on the Same Day Delivery team.
 - Added JUnit testing, caching and indexing on DynamoDB, and CI/CD deployment on CodePipeline.
 - Highest scoring product substitution model for Accelerated ML class among 150+ interns and employees.
- **Mozilla** Mountain View, CA
Spring Open Lab Developer Apr 2020 - Jun 2020
 - Created chrome extension and backend integration for news sites exploring pay-per-article paywalls.
 - Finalist for Mozilla Spring MVP Lab Incubator, and currently integrating with the Harvard Crimson.
- **Accuity** Evanston, IL
Software Engineering Intern Oct 2019 - Jun 2020
 - Automated and migrated 30% of the QC processes used by Compliance Data department using C#.NET.
 - Developed applications for data parsing and visualization, resulting in 30x speedups for manual processes.
- **Accuity** Chicago, IL
Data Analyst Intern Jun 2019 - Sep 2019
 - Wrote and integrated SQL scripts to generate data duplication and loss reports from MySQL databases.
 - Fixed data loss in \$X million revenue product, resulting in 24% more data (80,000 records) in production.

LEADERSHIP AND ACTIVITIES

- **Harvard Innovation Lab** Harvard
Fall Cohort Sep 2020 - Present
- **NU Competitive Programming Group** Northwestern
Founder, President Jan 2020 - Present
- **EPIC (Entrepreneurship in Action)** Northwestern
Technology Director Mar 2019 - Dec 2019

SELECTED PROJECTS

- **joincobble.com:** Extension and integration for sites exploring pay-per-article paywalls and micropayment donations.
- **NLP Portfolio Management:** Systematic trading system for AQR paper: *Predicting Returns with Text Data (2019)*
- **NLP Q&A Interface:** Extended natural language question answering model BAMnet to support individual queries.
- **Beacon:** Nvidia and Kairos sponsored facial recognition application to help people with Alzheimers and blindness.
- **Catsmarket:** P2P textbook eCommerce web application in collaboration with Northwestern Student Government.

AWARDS

- **2020 ThinkChicago:** 1 of 250 students selected
- **2020 bSUIT Coding Contest:** #7 out of 140+ contestants
- **2019 ACM ICPC:** Top 1 at Northwestern
- **2019 Google Tech Challenge:** Top 10 in Midwest