Daniel Chang
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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, SQL (Proficient), C# (Intermediate)
- **Tools**: AWS (EC2, RDS, Amplify, Lambda), DB (MongoDB, SQLite), Linux, Vim, Git, Pipenv, Docker
- **Technologies**: Flask, pandas, scikit-learn (Python), Express, React (JS), HTML, CSS (Web)

EXPERIENCE

- **Amazon** — Seattle, WA
  Incoming Software Development Engineer Intern — Jun 2020 - Sep 2020

- **Mozilla** — Mountain View, CA
  Spring Open Lab Developer — Apr 2020 - Present
  - Designing and developing micropayments service architecture for pay-per-article business models using Flask and MongoDB.
  - Finalist for Mozilla Spring MVP Lab Incubator.

- **Accuity** — Evanston, IL
  Software Engineering Intern — Oct 2019 - Present
  - Creating internal applications using C#.NET in order to automate processes used by the Compliance Data department.
  - Developed applications for file ingestion, data parsing and data visualization using WPF and ADO.NET.

- **Accuity** — Chicago, IL
  Data Analyst Intern — Jun 2019 - Sep 2019
  - Wrote SQL scripts to generate reports from OracleDB and MariaDB databases and integrated scripts as views for future developer use.
  - Discovered data loss issue in IBAN file product, resulting in 80,000 recovered records, or 24% more data making it to production.

LEADERSHIP AND ACTIVITIES

- **NU Competitive Programming Group** — Northwestern
  Founder, President — Jan 2020 - Present
- **The Garage** — Northwestern
  Co-working Residency Member — Dec 2019 - Present
- **EPIC (Entrepreneurship in Action)** — Northwestern
  Tech Team Director — Mar 2019 - Dec 2019

SELECTED PROJECTS

- **NLP Portfolio Management**: Systematic trading system for AQR paper: *Predicting Returns with Text Data (2019)*
- **Q&A SaaS**: Automated data parsing, model training, API hosting for natural language question answering models.
- **Beacon**: Nvidia and Kairos sponsored facial recognition application to help people with Alzheimers and blindness.
- **Yelp Data Science**: Financial signal research for time-series Yelp data and real estate prices.
- **Catsmarket.nu**: P2P textbook eCommerce web application in collaboration with Northwestern Student Government.

AWARDS

- **2020 Externships**: FORT Investment Management, Belvedere Trading, Quicken Loans
- **2019 ACM ICPC**: Top 1 at Northwestern
- **2019 Google Tech Challenge**: Top 10 in Midwest
- **2018 National Merit Finalist**: 99th percentile in US