

# Daniel Chang

<https://github.com/changdaniel>

Email : [danielchang2022@u.northwestern.edu](mailto:danielchang2022@u.northwestern.edu)

Mobile : 224-258-4322

## EDUCATION

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

## SKILLS

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- **Languages:** Python (Expert), Java, Javascript, 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), SQL, GraphQL (Query), HTML, CSS (Web)

## EXPERIENCE

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- **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 architecture for pay-per-article business models in Python.
  - Finalist for Mozilla Spring MVP Lab Incubator, and received demo requests from 2 news publications.
- **Accuity** Evanston, IL  
*Software Engineering Intern* Oct 2019 - Apr 2020
  - Creating applications using C#.NET to automate processes used by Compliance Data department.
  - Developed applications for file ingestion, data parsing and data visualization, resulting in 45x speedups.
- **Accuity** Chicago, IL  
*Data Analyst Intern* Jun 2019 - Sep 2019
  - Wrote and integrated SQL scripts to generate reports from MariaDB databases for future developer use.
  - Fixed data loss in \$X million revenue product, resulting in 24% more data (80,000 records) in production.

## LEADERSHIP AND ACTIVITIES

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- **NU Competitive Programming Group** Northwestern  
*Founder, President* Jan 2020 - Present
- **The Garage** Northwestern  
*Co-working Resident* Dec 2019 - Present
- **EPIC (Entrepreneurship in Action)** Northwestern  
*Technology Director* Mar 2019 - Dec 2019

## SELECTED PROJECTS

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- **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

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- **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