

EDUCATION

STANFORD UNIVERSITY

Computer Science Major
Mathematics Minor
GPA: 3.9
June 2017 | Stanford, CA

IL MATH & SCIENCE ACAD.

Grad. June 2013 | Aurora, IL

COURSEWORK

COMPUTER SCIENCE

Machine Learning
Natural Language Processing
Artificial Intelligence
Automata and Complexity Theory
Compilers

SKILLS & INTERESTS

PROGRAMMING

Full-stack by training
Back-end by preference
C++ • Python • C • Java •
Objective-C • PHP • SQL

INTERESTS

Code Module Design
Applied Data Science
Education and Curricula Design
Urban City Development
Civic Engagement

Mexican Folkloric Dancing
Urban Biking and Bike Repairs
Foosball Dorm Champion

EXPERIENCE

FACEBOOK | Software Engineer Intern | Search NLP Team

June 2015 — Sept 2015 | Menlo Park, CA

- Redesigned and optimized the path for grammar queries (e.g. "photos of Jose at Stanford").
- Decreased the number of expensive entity resolution queries (e.g. is "Jose" a user, group, event, etc.?) by leveraging cached entities and query-intent classifier.
- Back-end work in C++, front-end in PHP, and extra tasks in Python & SQL. Final code in production.

FACEBOOK | Facebook University Intern

June 2014 — August 2014 | Menlo Park, CA

- Developed an app to connect strangers and friends over a shared interest by encouraging setting dates to meet in real life
- Learned Objective-C and developed an iPhone app with two teammates and our mentor. Iterated designs
- Used Parse back-end, Facebook integration, and synced with iCal

CS106 SECTION LEADER | Stanford University | CSDept.

March 2015 — Present | Stanford, CA

- Led a weekly discussion section of 8-12 students in the intro CS classes (taught in Java and C++)
- Graded my students' work for functionality and style, to instill best practices for coding
- Debugged students' code during weekly office hours (everything from OOP mistakes to seg. faults)

PROJECTS

CITATION COUNT PREDICTOR | CS 229: Machine Learning

September 2014 — December 2014 | Stanford, CA

- Predicted its citation count using its age, journal, and author info
- Used Softmax Regression, Support Vector Machines, and Latent Dirichlet Allocation as possible models, coupled with cross validation and grid search for training the models
- 73% accuracy over the PubMed Central Open Access database

COOL COMPILER | CS 143: Compilers

March 2015 — June 2015 | Stanford, CA

- Wrote a compiler for the Cool language to MIPS assembly
- Included a lexer, parser, semantic analyzer, and code generator