

Education

Northwestern University • Master of Science in Computer Science

Evanston, IL • September 2020 – June 2021

- Selected for the accelerated 4-year BS/MS program. Published research paper (AIED International 2021).

Northwestern University • Bachelor of Science in Computer Science

Evanston, IL • September 2017 – June 2021

- Cumulative GPA: **3.95/4.00**, Major GPA: **4.00/4.00**, Dean's List, National Merit Finalist Scholarship
- Relevant Coursework: Data Structures, Scalable Software Architecture, Human-Computer Interaction, Algorithms, Computer Systems, Databases, Discrete Math, Distributed Systems, Machine Learning
- Activities: BuildHer Hackathon (led to record attendance), c3 Lab (Cognition, Creativity, and Communication Lab), IEEE Executive Board, Knight Lab (CS + Journalism research), Student Gov. Senator

Experience

Paylt • Returning Software Engineering Intern

Kansas City, MO • June 2020 – September 2020

- Proposed, designed, and developed an automated software solution to save the finance team 500+ hours/year in manual labor: an individual full-stack project using React, Java, MongoDB, AWS, Kubernetes.
- Extended React web app to add functionality for CSV downloads and client-side PDF generation.
- Wrote Java API to allow web app to interact with backend microservices and update MongoDB database.
- Managed implementation of a new custom product catalog feature for a POS (point of sale) system.

Yelp • Software Engineering Intern

San Francisco, CA • Summer 2020 • Internship program cancelled due to COVID-19.

Seven Rooms • Software Engineering Intern

New York City, NY • June 2019 – September 2020

- Managed start-to-end implementation of full-stack customized email-viewing portal with custom filters/search in use by 100% of company clients (React, Redux, Python, Django, and Google Datastore).
- Standardized email sending process for all 16 automated emails and built functionality to store emails.
- Rebuilt popular web page on core product from scratch to improve UI and integrate new functionality.
- Developed and deployed four major product features to production for client use (solo projects).

Paylt • Software Engineering Intern

Kansas City, MO • June 2018 – September 2018

- Led development of automated email and in-app vehicle registration receipt system for 10 million citizens.
- Created a web and mobile app for North Carolina DMV, currently being used statewide, with Agile team of four: a milestone project in raising \$100M in next funding round (Java, React, React Native, MongoDB).
- Extended automated chatbot (Clojure) handling vehicle registrations to integrate with North Carolina API.
- Contributed over 100 commits to continuously-deployed code trusted by state governments.

Northwestern University • Computer Science Teaching Assistant

Evanston, IL • September 2018 - Current

- Rehired six times by department for: *CS 101 (Intro to CS)*, *CS 111 (Functional Programming)*, *CS 211 (C/C++)*.
- Led discussion sections/office hours in C, C++, and Racket, reaching 200+ students directly over two years.

Projects

Memento: Facial recognition glasses that remind visually or cognitively-impaired users of people's names.

- Designed and implemented companion app in React Native to wearable headpiece (server on AWS).
- Built voice-command pipeline with Google Speech to make interactions friendlier for visually-impaired.

Lofi-Labs (Team Lead): Volunteering for club to teach beginners to build full-stack applications.

- Mentored Agile team of four undergraduate students weekly over 4 months (100% attendance rate).
- Successfully led students to create a full-stack web application that allows users to interactively generate and customize "lofi" music using neural nets. (React, Flask, Python, MongoDB, Magenta.js).

COVID Visualizer: Automatically ingests COVID-19 data (Python, PostgreSQL) and creates web visualizations.

News Searcher: Website for discovering news articles (AWS Elastic Beanstalk, AWS Lambda, Elasticsearch).

Skills

Proficient: Python, Java, JavaScript, HTML, SASS/CSS, React, React Native, TypeScript, Redux, MongoDB, SQL

Experience With: C, C++, Perl, Go, jQuery, Node.js, Django, Flask, Google Datastore, Elasticsearch

Tools: Amazon Web Services, Google Cloud Platform, Docker, Jenkins, CircleCI, Kubernetes, Git