

MING LEI

Brooklyn, NY

Ming.Lei09@outlook.com · (929)371-6818 · linkedin.com/in/ming-lei · github.com/popoway · ming.fyi/portfolio

EDUCATION

Queens College, City University of New York
M.A. Computer Science

Queens, NY
Jun 2022 - Dec 2023

Queens College, City University of New York
B.S. Computer Science · *GPA: 3.6*

Queens, NY
Jan 2017 - Dec 2020

Honor: Cum Laude (2020), Provost's Scholar (2018) for being top 3% in Computer Science major

WORK EXPERIENCE

Queens College
Graduate Assistant

Part-Time · Queens, NY
Sep 2022 - Present

- Spearheaded a real-time student dashboard for college departments by designing and implementing a [React/Redux](#) frontend architecture, backed by [PostgreSQL](#) and Oracle PeopleSoft [API](#), supporting a 150+ monthly staff usage
- Optimized legacy web applications to achieve 98% cross-browser compatibility and reduced page load times by 25% using vanilla [JavaScript](#), [HTML5](#), and [CSS3](#)
- Facilitated weekly 15-hour tutoring sessions for 80+ students enrolled in [Data Structures](#) and [Algorithm](#) courses, increasing their grades by 12 points on average

ADP (Automatic Data Processing)
Associated Application Developer

Full-Time · Alpharetta, GA
Mar 2021 - May 2022

- Led quality initiatives, achieving a 20% reduction in software bugs by probing race conditions across [distributed systems](#) on [Kibana](#) and developing a report dashboard using [TypeScript](#) and [SQL Server](#) to monitor data lineage
- Developed a [CI/CD](#) pipeline using [Jenkins](#), [Python](#) and [Docker](#) to automate unit and integration testing processes, reducing deployment time of hotfixes by 78%
- Effectuated [Scrum](#) and [Agile](#) methodologies among seven teammates, leading [Sprint](#) meetings to prioritize backlog, resulting in a 35% increase in timely delivery of top-priority features

SKILLS

Technical: Java (3yrs), Python (2yrs), JavaScript (2yrs), React/NextJS (1yr), PostgreSQL (1yr), MySQL, Git
Exposures: AWS/Azure, MongoDB, Firebase, Jenkins CI, Kubernetes/Docker, Datadog, Apache Kafka, Flutter

ACTIVITIES & PROJECTS

GoKnights
Application Developer

Personal Project for Queens College
Aug 2023 - Present

- Utilized [Flutter](#), [Java Spring Boot](#), and Google MapView [API](#) to build an accessibility-aware mobile app to assist students with special needs to connect them with nearest accessible resources with geofencing and NFC frameworks
- Recognized and endorsed by Queens College Provost's Office, entering production on Q1 2024

Girls Who Code
Course Facilitator

Queens, NY
Mar 2019 - Feb 2021

- Formulated and conducted 6 cohorts of 10-week coding bootcamps for 100+ minority students in grades 4-10 covering introductory [HTML](#), [CSS](#), [JavaScript](#) and [Python](#), integrated into a final demo with 93% of student completion rate
- Improved student engagement and retention by 37% by including interactive games virtual field trips after conducting monthly feedback sessions with students

Clinique Go
Software & Data Engineer

Team Project for The Estee Lauder Companies Hackathon
Oct 2019

- Used [Swift](#), [Apple CoreML](#), and [Azure Machine Learning Studio](#) to provide product recycling and rewarding procedure with customer habit analyzing and recommendation capability
- Awarded first place out of 3000+ student competitors

ADDITIONAL

Awards: Queens College Student Success Award (2023), Grow with Google Challenge Scholarship (2018)
Certificates: AWS Certified Cloud Practitioner, Udacity Frontend Web Developer Nanodegree, IBM Data Science Certificate
Interests: Attend hackathons and conferences, Contribute to open source projects, Explore new web frameworks