

# Ching Cheng

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## Technical Skills

**Programming Languages:** Python 3, JavaScript ES6+, SQL, HTML5, CSS

**System Design:** Microservices, Domain-driven design, Message passing, Event sourcing

**Back-End:** Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ

**Front-End:** DOM manipulation, WebSockets, React, React Hooks, Redux Toolkit

## Project Experience

**Full Stack Software Developer** | Munch | <https://gitlab.com/munchbunch/munch> 2023

*Python 3, JavaScript ES6+, FastAPI, React, React Hooks, Docker, RESTful APIs*

Munch is a social media platform dedicated to food reviews and recommendations.

- Designed and developed wireframes, database schemas, API endpoints and incorporated backend user authentication with JSON Web Tokens and a dynamic frontend alongside four software engineers to create a functional web application.
- Implemented successful CI/CD pipelines and deployed the project via CapRover in collaboration with four other software engineers through daily stand-ups and smooth Git workflows.

**Full Stack Software Developer** | Swift | <https://gitlab.com/mschingcheng/swift> 2023

*Python 3, JavaScript ES6+, Django 4, React, React Hooks, Docker, RESTful APIs*

Swift is a web application where car dealerships can manage inventory, sales, and service all in one place.

- Built a single-page application made up of React components and React Hooks to handle state management with connections between microservices and data transfer via pollers.
- Developed a dynamic backend in collaboration with a teammate to design and integrate three microservices, inventory, sales, and service, using Django and RESTful APIs.

**Full Stack Software Developer** | Wardrobify | [gitlab.com/mschingcheng/wardrobify](https://gitlab.com/mschingcheng/wardrobify) 2022

*Python 3, JavaScript ES6+, Django 4, React, React Hooks, Docker, RESTful APIs, RabbitMQ*

Wardrobify is a web application for users to organize and track their closet inventory.

- Designed and developed a full stack application with Django backend and React frontend and styling with Bootstrap.
- Integrated message queueing between microservices via RabbitMQ to ensure smooth and efficient scaling.

## Professional Experience

**General Education Teacher** | Lakewood Elementary School 2016 – 2021

- Improved student academic performance by 9% by utilizing inclusive and differentiated instructional strategies to support students' diverse learning needs in whole-class and small group instruction.
- Boosted student engagement by 12% by creating and implementing a curriculum to activate student interest and participation while embedding learning in real-life contexts.
- Provided access to general education for students with disabilities by collaborating with special education services providers to carry out accommodations as specified by the Individualized Educational Plans.

**Grade Level Team Lead** | Sunnyvale School District 2019 – 2020

- Ensured quality of education across school sites by planning and executing curriculum according to research-based practices and district goals while overseeing team meetings on and off-site.
- Maintained best teaching practices district-wide by training teachers on how to implement and align research-based strategies with Common Core State Standards through professional development workshops.
- Enhanced work climate for teachers by advocating for individual school site needs to the district as an ambassador between teachers and administrators.

## Education

Hack Reactor | Advanced Software Engineering Certificate 2023

Stanford University | M.A. in Education, CA Multiple Subject Teaching Credential 2017

San Jose State University | B.A. in Child and Adolescent Development 2015