

# Sarah Gemperle

[sagemperle@gmail.com](mailto:sagemperle@gmail.com) | +1 (209) 485-2528 | [linkedin.com/in/sarahgemp04/](https://www.linkedin.com/in/sarahgemp04/) | [sarahgemp04.github.io](https://sarahgemp04.github.io)

## EXPERIENCE

### Software Engineering Intern, Mitchell International: JUN 2018 - AUG 2018

- Worked on CORP Platform team. Completed and refactored Autochain application aiming to organize **4,000+ Mitchell micro-services**, to be built in order of the dependency tree. Increased productivity of Mitchell's Enterprise build process, reduced maintenance for cross-organizational teams through automated build.
- Migrated the existing Typescript / JavaScript CI/CD Pipeline Application running on Node spun locally on Docker, to run "serverless" (over the cloud) on AWS. Developed new backend utilizing various services such as AWS Lambda, API Gateway, Cloudwatch, DynamoDB, and S3, integrated with Jenkins.

### Technical Project Manager, Codepath University: JAN 2017 - APR 2017 // JAN 2019 - MAY 2019

- iOS Swift application development Bootcamp Project Manager/TA with **50+** enrolled students for Codepath University. First year in the role, developed 8 iOS (Swift) applications in span of 12 weeks, working 3 weeks ahead of students.
- Organized showcasing events, held weekly office hours, gave lectures on iOS topics, presented large group application project at end of Bootcamp, winning **Greatest Technical Accomplishment**.

### Computer Science Tutor, UC San Diego Computer Science Department: DEC 2016 - JUN 2017

- Received **100% student satisfaction** with 200+ students. Held multiple office hours per week and helped students understand Data Structures, Java, and Object-Oriented Programming (OOP) paradigms.
- Proctored and graded midterms and finals, as well as reviewed over **~250** student programming assignments.

## SIDE PROJECTS

### Meme.Cards, Role: Full-Stack - ReactJS, NodeJS, Zeit Now, Git

- Meme.cards is a web app for sending memes as a postcard, using Lob for their mail API and Stripe for payments.
- Built with Next.js + React frontend, and single backend endpoint deployed with Now. Used Rebase as a component library and used Next's styled-jsx for CSS-in-JS for styling.
- Meme.cards was voted amongst the top 10 products on [Product Hunt](#).

### Benefit, Role: iOS Developer, Full-Stack - Swift, CocoaPods, Firebase, Sketch, Git

- Built philanthropy application allowing users to choose their preferred charities (with over a million options from OrgHunter API) to donate to for every mile run.
- Won award for the **best mobile project**, sponsored by **Facebook** at Athena Hacks 2018.
- Developed using iOS Swift, OrgHunter API for lists of charities, MapKit and CoreLocation, Sketch for logo, and Firebase for user authentication and database.

### Back.r, Role: Frontend - React Native, NodeJS, PostgreSQL, Azure, Git

- A cross-platform Mobile Application that connects project ideas to project backers so that ideas come to life.
- Working with a team of 12, developed functions on backend as well as designed and developed front-end with React Native. Backend comprised of NodeJS, PostgreSQL/Azure customized database, and Twilio API.

## SKILLS

**Engineering:** Java, HTML / CSS, JavaScript / TypeScript (React, React Native, Node.js, Express, Angular.js), Swift, C++, Python, PHP, Haskell

**Databases:** DynamoDB, MongoDB, SQL, PostgreSQL, Firebase

**Tools:** AWS, XCode, CocoaTouch, JUnit, VSCode, Git, Heroku, Now, Photoshop

## EDUCATION

### University of California, San Diego: SEP 2015 - JUN 2019

Bachelor of Science, in **Mathematics-Computer Science**, with **Business** Minor - GPA: 3.5

### iOS - Codepath University, iOS Full-Stack Development Certificate: JAN 2017 - APR 2017

### Thammasat University- Bangkok, Thailand: AUG 2018 - DEC 2018

Fall Abroad Program - Business Studies