

Peter Seger

SOFTWARE ENGINEERING / PROJECT MANAGER · STUDENT

Boston, MA & Gothenburg, Sweden

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Education

Olin College of Engineering

B.S. IN COMPUTER SCIENCE AND ENGINEERING - GPA: 3.73

- Recipient of 4-year, 50% Olin Merit Scholarship.

Needham, MA

May 2020

Work Experience

Uber

SOFTWARE ENGINEER INTERN (FULL-STACK)

- Worked on the Customer Obsessions Answer Discovery team working on predictive intent for ranking of help articles on help.uber.com.
- Designed and implemented a new backend service in **Go** for ingesting **Kafka** messages and interacting with **ML** models.
- Worked on frontend services in **NodeJS** to add logging of user interactions.
- Built multiple ETL pipelines for training ML models as well as included logging and metrics for services using ELK and Grafana.
- Project was used as a proof of concept for a larger initiative and this architecture is now being used for in-app help.

San Francisco, CA

May 2018 - Aug. 2018

Voss Technologies - Chalmers University

SOFTWARE ENGINEER INTERN

- Worked in Sweden with professor building a design system for autonomous vehicles.
- Built a schematic visualization tool from an existing API to recreate functionality in **C** to increase speed, accuracy, and dependability.
- Used advanced **data structures** and **heuristics** to create informative and accurate schematics from Register Transfer Language (RTL) descriptions.

Gothenburg, Sweden

May 2017 - Aug. 2017

Olin Electric Motorsports (Olin College)

MARKETING MANAGER (CURRENT) FIRMWARE LEAD (2017-2018)

- Worked on designing, laying out, and implementing a custom API in **C** to ensure other student team members built software that is safe, stable, and efficient for the car. Also built new AVR buildchain using **Python**.
- Was in charge of teaching all new members firmware skills such as **Git**, **C**, and **AVR** programming.
- Currently in charge of securing \$50k in funds for the team through corporate sponsors and public/private grants.

Boston, MA

Sep. 2016 - Present

Projects

Strolle

PROJECT MANAGER & FULL-STACK ENGINEER

- Worked with partner to create a webapp for uploading and sharing runs including user accounts. Available at strolle.ml
- Built the frontend using **React** + **Bootstrap** and backend app using **Express** in **NodeJS**. Used **MySQL** for persistence layer.
- Deployed with CI/CD pipeline using **Jenkins**, **Docker** containers, and **Google Cloud Platform**.

Boston, MA

Apr. 2018

EVE - Virtual Nurse Assistant

USER ORIENTED COLLABORATIVE DESIGN

- Co-Designed with ICU Nurses to identify and attempt to solve a problem in their workplace
- Designed a virtual nurse to facilitate communication with patients' families and nurses
- Completed personas, interaction maps, product designs, and mockups to communicate with our users and stakeholders.

Boston, MA

Spring 2018

Barbot

PROJECT MANAGER & SYSTEM ARCHITECT

- Project manager and system architect for a **Python** Flask webapp for automated parties.
- Built a full stack webapp with **MySQL** database, **Bootstrap** front end, and **Flask** app development.
- Worked to layout the system and describe all functionality and worked with three other team members with varying levels of experience to ensure everyone had impact.

Boston, MA

Apr. 2017

Skills

- Backend: Python, Javascript (NodeJS), Go, C, Java
- Frontend: React, Redux, HTML, CSS
- Technologies: SQL, Hadoop, Kafka, Nginx, ETL Pipelines, Google Cloud Platform
- Tools: Jira, Confluence, Asana, Trello
- Other: User Focused Design, Product Market Fit, Business Management