

Peter Seger

SOFTWARE ENGINEERING / ASPIRING PROJECT MANAGER

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

- Summer 2019 - *Money Engineering Team*
 - Lead the creation of a new tool used to maintain bank communication templates.
 - Worked closely with stakeholders to determine requirements and use cases.
 - Built webapp in **FusionJS** using **React & Redux**.
 - Held test session with users to ensure project was meeting their needs.
- Summer 2018 - *Customer Obsessions Team*
 - Worked 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.
 - 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

2018 & 2019

Bigserene

FREELANCE PRODUCT CONSULTANT

- Worked with seed-stage startup to help define their product offering.
- Ensured product market fit by consulting with potential customers.
- Drafted list of product requirements to satisfy users' needs.
- Created mocks and built initial MVP app in **ReactJS** and **NodeJS**.

Feb. 2019 - June 2019

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

Skills

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