

# 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