

Peter Seger

SOFTWARE ENGINEERING · STUDENT

Boston, MA & Gothenburg, Sweden

☎ (503) 544-6599 | ✉ peterhseger@gmail.com | 🏠 www.peterhenryseger.com | 📷 segerpeter07 | 🌐 peter-seger

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

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 build 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

Sept. 2016 - Present

Projects

Strolle

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

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

Extracurricular Activity

Stay Late & Create (SLAC)

LEADERSHIP TEAM

- Part of the leadership team club which promotes a collaborative work space to foster Olin's project based learning by holding weekly meetings with student-led workshops, corporate-led workshops, and snacks.
- Work closely with corporate sponsors including Google, GE, Microsoft and others to secure funding for activities and workshops.

Olin College

Sept. 2016 - Present

Olin Ultimate Frisbee

PLAYER

- Play on the club Ultimate Frisbee team and compete in New England regional tournaments.

Olin College

Sept. 2017 - Present