Peter **Seger**

SOFTWARE ENGINEERING / PROJECT MANAGER · STUDENT
Boston, MA & Gothenburg, Sweden

(503) 544-6599 | peterhseger@gmail.com | www.peterhenryseger.com | segerpeter07 | peter-seger

Education

Olin College of Engineering   *Needham, MA*

B.S. IN COMPUTER SCIENCE AND ENGINEERING - GPA: 3.73   *May 2020*
- Recipient of 4-year, 50% Olin Merit Scholarship.

Work Experience

Uber   *San Francisco, CA*

SOFWARE ENGINEER INTERN (FULL-STACK)   *May 2018 - Aug. 2018*
- 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 serivces 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.

Voss Technologies - Chalmers University   *Gothenburg, Sweden*

SOFTWARE ENGINEER INTERN   *May 2017 - Aug. 2017*
- 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.

Olin Electric Motorsports (Olin College)   *Boston, MA*

MARKETING MANAGER (CURRENT) FIRMWARE LEAD (2017-2018)   *Sep. 2016 - Present*
- 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 corportate sponsors and public/private grants.

Projects

Strolle   *Boston, MA*

PROJECT MANAGER & FULL-STACK ENGINEER   *Apr. 2018*
- 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 persistance layer.
- Deployed with CI/CD pipeline using **Jenkins**, **Docker** containers, and **Google Cloud Platform**.

Barbot   *Boston, MA*

PROJECT MANAGER & SYSTEM ARCHITECT   *Apr. 2017*
- 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.

Leadership

TAE Furniture   *Boston, MA*

CO-FOUNDER & CEO   *Aprl 2017 - June 2018*
- Built an online furniture business which designed and built folding furniture for small spaces.
- Focused on driving revenue and sales through different avenues such as online ads, local maker markets, and more.
- Handled all the banking, online store, and incorporation duties for the company.

Peter Seger Photography

FOUNDER   *2014 - Present*
- Work freelance with focuses in portrait, landscape, and sports photography. Grew business to a profitable level.
- Published in editorial articles in The Oregonian covering a Fun Run. Portfolio at petersegerphotography.com

Stay Late and Create (SLAC)

Leadership Team Member

Fall 2016 - Present

- Part of the leadership team for the 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.

Skills

- Backend: Python, Javascript (NodeJS), Go, C, Java
- Frontend: React, Redux, HTML, CSS
- Technologies: SQL, Hadoop, Kafka, Nginx, ETL Pipelines, Google Cloud Platforrm
- Tools: Jira, Confluence, Asana, Trello

Extracurricular Activity

Olin Ultimate Frisbee

Olin College

Player

Sept. 2017 - Present

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