Peter Seger

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Education

Class of 2020	**Franklin W. Olin College of Engineering**, Needham, MA.
GPA: 3.73	**Candidate for BS in Engineering: Concentration in Computer Engineering.**
	Recipient of 4-year, 50% Olin Merit Scholarship.
2012 - 2016	**Valley Catholic High School**, Beaverton, OR.
GPA: 3.82	AP National Scholar with Honors; English & French National Honor Society.

Experience

May 2018-August 2018 — **Software Engineer Intern**, *Uber Technologies*, San Francisco.

Worked on the Customer Obsessions Answer Discovery team where I architected and implemented a new service for ingesting **Kafka** messages used for providing intelligent ranking of help articles. Worked on web services in **Javascript** and created a new backend service in **Go** that ingests 100k messages per hour. Project was used as a proof of concept for a larger initiative in providing intelligent help experiences and this architecture is now being implemented for Mobile side help as well.

May 2017-August 2017 — **Software Engineer Intern**, *Voss Technologies - Chalmers University*, Gothenburg, Sweden.

- 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.

Spring 2017 — **Barbot - Project Manager**, *Olin College*.

- 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.

Fall 2016 -Present — **Firmware Lead - Formula SAE**, *Olin College*.

- 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 in charge of teaching all new members firmware skills such as Git, C, and AVR programming.

Fall 2016 -Present — **SLAC (Stay Late and Create)**, *Olin College*.

- 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.

2014-Present — **Photographer**, *Peter Seger Photography*, Portland, OR.

- 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

Projects & Other Activities

Fall 2016 — **Wanderer**, *MIT Media Lab Reality Virtually AR/VR Hackathon*.

- Worked in a team of five to create a VR experience for people with anxiety. Went in with no previous experience in Javascript, C#, or Unity and created a bubbler feature using the newly release Google Daydream API to utilize the wand. More information can be found at devpost.com/software/wanderers

Languages and Frameworks

Backend: Javascript (NodeJS), Go, Python, C, Java

Frontend: React, Redux, HTML, CSS

Technologies: SQL, Hadoop, Kafka, Nginx, ETL Pipelines, Google Cloud Platforrm