

# Ayush Saraf

Phone: (206) 393-2864 E-Mail: [ayush29f@uw.edu](mailto:ayush29f@uw.edu) Website: <http://ayush.xyz>

Github: <http://github.com/ayush29feb> LinkedIn: <http://linkedin.com/in/ayush29feb>

## Education

University of Washington, Seattle

June, 2018

Informatics, GPA: 3.83

**Relevant Coursework:** Hardware/Software Interface, Computer Programming I & II, Relational Database Management System, Matrix Algebra, Calculus, Differential Equations, and Design Thinking.

## Skills

**Experienced** in Java, JavaScript, Git, and HTML/CSS. **Familiar** with PHP, MongoDB, SQL, and Octave.

**Frameworks & Libraries:** Node/Express.js, React.js, d3.js, Bootstrap, Passport.js, and Socket.io

**3<sup>rd</sup> Party APIs:** Stripe, Twilio, Shopify, Facebook, Mojio, and Leap Motion

## Experience

Co-Founder & Lead Developer, Aced

April 2015 – Present

- Co-founded an on demand student-to-student in-person tutoring service on UW Seattle Campus. Acquired over 90 users within a week of beta release.
- Developed the entire backend with login via Facebook, payments via Stripe, and messaging via Twilio using a REST API written in Node/Express & MongoDB.
- Worked in a team and performed UX testing to get feedback on improving the flow of the app.

Software Engineering Intern, CleverTap

July – September, 2015

- Developed a Shopify plugin that automatically integrate users' CleverTap account with their Shopify store via OAuth.
- Allowed CleverTap to quickly expand their business to 100K+ Shopify store owners without any technical skills.
- Wrote documentation on integrating app install attribution using 3<sup>rd</sup> party services like adjust.io & AppsFlyer.

## Activities

Software Developer, UW EcoCAR3

September 2015 – Present

- Project aims to develop an open source infotainment platform for vehicles that communicates with vehicle hardware.
- Working on Advanced driver assistance systems team to integrate the infotainment with the external environment.

Lavin Entrepreneurship Program & Startup UW

April 2015 – Present

- Executive committee member at the two biggest entrepreneurship organizations involving 400+ students on-campus.
- Work with both teams to organize various events empowering entrepreneurship among students on campus.

## Side Projects

Multiplayer Round Table Hockey

A multiplayer circular table Air Hockey game built within 9 hours using HTML Canvas and Socket.io. Used for vector algebra for the collision detection. Supports mouse and Leap Motion as controllers.

Launch

A collection of all the startups and side projects made at University of Washington Seattle. Worked on the backend API and currently working on a graph like data visualization for representing connections between projects & makers.

CSE14x Grade Analysis

Used d3.js to build various visualizations to identify patterns in the scores achieved by the students on homework, exams, and the overall grades in the class.

## Hackathon Projects

DubHacks '15: Lyteup.co *(best use of personalization by Disney)*

Lyteup.co is a social network which allows friends, family and coworkers to express themselves in emotions rather than words. Designed the database in PostgreSQL and wrote the backend in Node/Express.

BMW Hack The Drive: Hawk

Hawk, a parental monitoring web app that allows you to check-in on your teen by tracking history of your car's driving usage. Developed the backend in Node/Express using Mojio API built into the car.

DubHacks '14: Rhythmic Ride *(best use of the Mojio API)*

Android app that uses music to make you a safe driver. Uses the Mojio API connected to car to adjust music based on driving factors, currently speed.