**Ryan Sproule** Software Engineer rsproule23@gmail.com | rsproule@wustl.edu | 412-780-2335

**Education**

**WASHINGTON UNIVERSITY in St. Louis - School of Engineering and Applied Science**

**Bachelor of Science in Computer Science (BSCS) August 2015 – May 2019**

**Total GPA across all Engineering courses**: 3.72

**Relevant Coursework**

**500 Level (Graduate):** Database Management Systems [Sp. 2018] (CSE 530S), System Security [Sp. 2018] (CSE 523S)

**400 Level:** Mobile Application Development (CSE 438S), Cloud Computing with Big Data Applications [Spring 2018]

**300 Level:** Introduction to Systems-Software (361S), Object-Oriented Software Development Laboratory (CSE 332S), Rapid Prototype Development and Creative Programming (CSE 330S)

**200 Level:** Data Structures and Algorithms (CSE 247) (+TA), Parallel and Concurrent Programming (CSE 231S), Logic and Discrete Mathematics (CSE 240)

**Experience**

**Freelance Application Developing Consultant**

**Pocket PhDs Tutoring Service Platform August 2017 – Present** Application for a tutoring service that allows students and tutors to work together online via video chat, rich text chat and individualized learning modules in one integrated platform for iOS, Android and web.

**Technologies Used:** React JS, Node.js, Express, Flutter Mobile UI (Dart), Swift, Android Java, Firebase, Twilio Video

**U Grub Mobile Application Summer 2017**

Mobile application for managing/finding free food events on WASH U campus. Compatible with iOS and Android. **Technologies Used:** Flutter (Dart), Swift, Android Java, Firebase, Python (Web Scraping)

**‘Hootiehoo’ Mobile Application Back-end February 2017 – May 2017**

Built back-end for an event managing app for social events in the St. Louis area.

**Technologies Used:** Apache Web Server, AWS EC2 Instance, MySQL Database, PHP

**CSE 247 Teaching Assistant August 2017 – Present**

I hold office hours weekly and available during in-class studios to help students understand the concepts of Data Structures and Algorithms course.

**FRANK B. FUHRER WHOLESALE, Pittsburgh, PA** **June 2016-August 2016**

Top 20 largest beer wholesaler in the US, largest operating from on site, 80 suppliers, 600+ brands, 15 million cases.

* Worked as a loading coordinator during the night shift (5 PM – 3 AM) for 5 days a week (Sunday – Thursday)
* Culminated with a compiled report on warehouse procedures and conditions at the request of management to be used for improvements in efficiency and employee satisfaction

**Programming Languages**

**Very Comfortable**: JavaScript, React JS, Node.js, Java, C++, C, Swift

**Comfortable:** Python, PHP, Dart

**Additional Technologies:** MySQL, jQuery, Express, Arduino, HTML + CSS, Linux, GIT, Firebase, Twilio APIs,Amazon Web Services, Apache, Command Line, Flutter, GDB, X Code, Arduino, Raspberry Pi

**Activities**

**Washington University Men’s Varsity Soccer Team August 2015 - Present**

Scholar All-American, 3-time team leading scorer, 2-time All-UAA honoree, 3-time Academic All-UAA