Akshay Chalana

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EDUCATION

University of Washington (Cumulative GPA: 3.40)   Sept. 2015 – June 2019 (Expected)
- Major: Computer Science (Freshman Direct Admit) and Mathematics (Intended)
- Relevant Coursework: Computer Programming II (Autumn), The Hardware/Software Interface (Winter), Neural Engineering (Winter), Systems Programming (Spring), Foundations of Computing I (Spring)

Eastside Preparatory School (High School Cumulative GPA: 3.98)   Sept. 2008 – June 2015

TECHNICAL SKILLS/LANGUAGES

- Full-Stack Web Development: HTML/Jade; CSS; JavaScript (including jQuery, Angular.js, React.js); Node.js; NoSQL databases (MongoDB, DynamoDB, Cassandra) – Proficient with all
- Data Analytics: Apache Spark Python API (Competent); R (Competent)
- Algorithms/Desktop Programs: Java (Proficient); Python with NumPy, VPython, some Scikit-Learn (Proficient)

RELEVANT EXPERIENCE

Intern   **Tesla Motors**   June 2016 – Sept. 2016

- Will develop, support, and maintain data visualization web app (PHP, Highcharts, jQuery) for Hardware Development Test & Analysis Team.

Software Development Intern   **GiveSafe**   December 2015 – June 2016

- Helping to create Merchant Android application for interacting with beacon-holders (homeless individuals)

Systems Engineer   **UWashington Hyperloop**   Aug. 2015 – Present

- Embedded Software Development for SpaceX Hyperloop Pod Development Competition
- Developing a real-time sensor data telemetry system using Microchip PIC18F4685 (programmed in C), an RS-232 interface with provided SpaceX network, and a custom GUI for data visualization (written in Python).

Founder & Developer   **MoneySense**   Jul. 2011 – Present

- Designing Personal Finance education curriculum for High School students with advice from teachers, professors, and industry contacts
- Building/Maintaining online HTML5/CSS3/JS videogame with MEN backend (MongoDB, Express.js, Node.js)
- Received grant from Social Venture Partners as a high school finalist at Social Innovation Fast Pitch

Full-Stack Web Developer   **HackingEDU**   Sept. 2015 – April 2016

- Created/Maintain Node.js/MongoLab API on Heroku for serving information to mobile event apps
- Maintain primary HackingEDU website

Vice President of Organization   **TEDxYouth@EastsidePrep 2014**   Apr. 2014 – Nov. 14

- Built website, facilitated communication with speakers, sponsors, and various providers/facilities, Helped develop "Evolution of Interaction" Theme for this TEDxYouthDay 2014 Event on Nov. 16, 2014

PERSONAL PROJECTS

GiftGenie.io (CodeDay Spring 2015)
(https://github.com/Ac2zoom/giftgenie.io)
Gift suggestion web app (Node.js) based on Facebook likes & Amazon/Goodreads APIs

Bodyguard (PennApps Jan. 2016)
(http://www.devpost.com/software/pennapps11am)
Android app for automatic emergency notification to friends/family/emergency services through voice commands.