Akshay Chalana

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EDUCATION

University of Washington   Sept. 2015 – June 2019 (Expected)
- Major: Computer Science (Freshman Direct Admit) and Mathematics (Expected)
- Relevant Coursework: Computer Programming II (Autumn), The Hardware/Software Interface (Winter), Software Design & Implementation (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, and much more (Proficient)

RELEVANT EXPERIENCE

Systems Engineer   **UW Hyperloop Team**   Aug. 2015 – Present

- Embedded Software Development for SpaceX Hyperloop Pod Development Competition
- Worked with Intel Edison board through C++ API to gather, communicate, and visualize pod metrics (velocity, attitude, pressure, etc.) and adjust pod components remotely

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

- Designed Personal Finance education curriculum for High School students with advice from teachers, professors, and industry contacts
- Built 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 – Present

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

Marketing Intern   **Crowds on Demand**   June 2014 – Aug. 2014

- Worked with local organizations and a continually expanding team to coordinate the distribution of free cell phones to low-income individuals through the FCC's Lifeline program.

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

Marauder (http://marauder.tech/)
Device Geolocation tracking with enterprise network access points

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

Compatigram (http://www.compatigram.co)
Web app combining Instagram API with Clarifai Tagging API to generate user similarity/compatibility score

Weelz (AT&T Hackathon) (http://bit.ly/1NR7mAS)
"Waze for bicyclists" crowdsourced hazard reporting mobile app and web service