

Akshay Chalana

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EDUCATION

University of Washington (Cumulative GPA: 3.78) 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), Data Abstractions (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

Undergraduate Research Assistant **University of Washington** January 2016 - Present

- PLSE Group: Work on Patch Minimization (Algorithmic un-refactorization) for Defects4j

Software Development Intern **GiveSafe** December 2015 - Present

- Created Merchant Android application for interacting with beacon-holders (homeless individuals)

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

- 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 - Present

- 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

Marauder (<http://marauder.tech/>) (April 2015-Present)
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