

# Victor Xu

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## EDUCATION

GPA: 3.82/4.00

UNIVERSITY OF WASHINGTON,  
Master of Science, Information Systems

- Concentration in Data Science Analytics

Seattle, WA  
(expected) June 2019

UNIVERSITY OF CALIFORNIA, BERKELEY,  
B.A., Cognitive Science - Computational Modeling

- Computer Science Minor
- Certificate, Technology Entrepreneurship (College of Engineering)

Berkeley, CA  
2015 - 2017

## SKILLS

- **Expertise:** Analytics, Data Science, Machine Learning, UI/UX, Business Intelligence
- **Working Knowledge:** Cloud Computing, Web Services, Security, Value Engineering (Operations Research)
- **Programming:** Python, R, Java, HTML, CSS, JavaScript, SQL, C, Go
- **Software Tools:** Git, Bitbucket, GitHub, Pandas, MapReduce, Spark, Hadoop, Figma, PowerPoint, Excel, IntelliJ, LaTeX, Android Studio, Google AdWords, Scikit-Learn, TensorFlow, NumPy, Adobe Photoshop, Illustrator, VM, Sublime
- **Languages:** English (native), Chinese (bilingual proficiency), Spanish (professional proficiency)

## COURSEWORK

- Data Structures, Artificial Intelligence, Machine Learning, Data Mining, User Interface Design: HCI, Data Analysis, Structures and Interpretations, Computer Security & Cryptography, Advanced Databases, Probability Theory, Cloud Computing, Optimization Decision Models
- Semester-length seminar (5% acceptance rate) with Nobel Prize physicist, Professor Saul Perlmutter
- **Business:** IT Organizational Strategy, SEO, Enterprise Systems and Integration, Digital Transformation

## AWARDS, PROJECTS

- Airbnb (ML pricing predication modeling tuning - using multiple linear regression, random forest, hierarchical regression, and boosting - gradient, XGBoost, Light Boost, Lasso, Elastic Net, Kernel Ridge)
- Social Web 2.0+ (examining nodes influencing social media networks using graph theory)
- Data Blog (author, R + Python ML tutorials), Yelp Maps (visualization of Berkeley using ML to predict rating of closest restaurant, analyzing data patterns), Pacman Learning (Bayes net, reinforcement learning, A\* search)
- ThoughtJot (Alexa voice-to-text journaling ecosystem, composed of an Amazon Alexa VUI, Android companion app, and Web app. Refined utterances based on contextual interviews. Using Figma, Android Studio, created elegant GUIs.
- Reddit Advanced SEO Strategy (prototyped new features to improve ROI)
- **Awards:** IB (International Baccalaureate) Diploma, Scholastic Arts & Writing Competition (National Gold Key Award), DECA Technology Entrepreneurship Business Plan (Washington Finalist)
- **Competition:** 2019 IT Architecture Competition (SITAC 2019); pending (final round)

## EXPERIENCE

OSREVIEWS (TECHNOLOGY EDITOR, ANALYTICS)

Founder of OSReviews, a media site covering the technology and consumer electronics space.

OSReviews has published over 1,800 reviews, and collaborated with 200+ companies including Samsung and Huawei.

- Managed three-person team, standardized testing methodology
- Produced data-driven analysis, comparisons, software tutorials for mobiles, computers, wearables
- Further consulted on improvement methods; i.e. Huawei's A.I. (neural processing unit) team

Seattle, WA  
2015 – Present

UC BERKELEY ENGINEERING, SUTARDJA CENTER (SOFTWARE ENGINEER)

Worked as the technical/software lead of four start-up ventures. Used Python, Java, Android Studio, Figma

- Led eclectic five-person teams → conception to product: RenTech (technology mystery box using ML to predict trends), Expert Connections (hobbyist video chatting platform), Candle Sense (\*Project RMUE)
- \*RMUE stands for Rich Multisensory User Experience, translating cognitive science research into real-world, business contexts. This funded project is a joint effort with PhD students at the University of Jyväskylä, Finland
- Used hands-on rapid prototyping, A/B testing, contextual interviews, and pitched to VCs in SF

Berkeley, CA  
2016 - 2018