

Victor Xu

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EDUCATION

GPA: 3.82/4.00

UNIVERSITY OF WASHINGTON,
Master of Science, Information Systems

Seattle, WA
(expected) June 2019

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

Berkeley, CA
2015 - 2017

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

SKILLS

- **Specialties:** Data Science, Machine Learning, Statistical Analyses, Research Methods, Business Intelligence
- **Programming:** Python, R, Java, HTML, CSS, JavaScript, SQL, C, Go
- **Software Tools:** Jupyter Notebook, Google Trends API, Git, GitHub, Pandas, MapReduce, Spark, Hadoop, Figma, AWS, Excel, IntelliJ, LaTeX, Android Studio, Scikit-Learn, TensorFlow, NumPy, Adobe Photoshop, Illustrator, Sublime, VM
- **Languages:** English (native), Chinese (bilingual proficiency), Spanish (professional proficiency)

COURSEWORK

- Agile DevOps, Artificial Intelligence, Machine Learning, Advanced Data Mining, Structures & Interpretations, Advanced Databases, Probability Theory, Statistical Concepts in Computing with Data, Discrete Mathematics, Optimization Models
- Project Management, Enterprise Systems and Integration, Digital Transformations, Blockchains, Risk Management
- Semester-length seminar (5% acceptance rate) with Nobel Prize physicist, Professor Saul Perlmutter

AWARDS, PROJECTS

- Airbnb (ML pricing predication modeling): Did advanced data normalization/cleanup, before creating multiple linear regression, random forest, hierarchical regression, and boosting models (gradient, XGBoost, Light Boost, Lasso, Elastic Net, Kernel Ridge). Used correlation heat maps & factor analysis. Achieved 90% prediction accuracy on test set.
- Project Implicit: Used Project Implicit dataset to conduct data science research on bias (implicit vs explicit) on socioeconomic status. Merged datasets, tested hypothesis (and covariates) with statistical analysis in R and Python (Jupyter).
- UC Berkeley Graduate School of Education: Researcher under Prof. Glynda A. Hull, on how technology in the digital age enables globalization. Conducted 6hr/week field notes in Oakland, CA with Space2cre8 (tutoring STEM courses)
- ThoughtJot: Made Alexa voice-to-text journaling ecosystem, composed of an Amazon Alexa VUI, Android app, and Web app. Refined utterances based on 100 contextual interviews, consulting and understanding users' needs in a full stack project.
- Social Web 2.0+: Examining nodes influencing social media networks using graph theory, data mining, and Google APIs
- Data Blog: Author, R + Python ML tutorials, Yelp Maps: Visualization of Berkeley using ML to predict restaurant ratings, Pacman Game: Rebuilding the classic Pacman game using ML inference, Bayes net, reinforcement learning, and A* search
- **Awards:** IB (International Baccalaureate) Diploma, Scholastic Arts & Writing Competition (National Gold Key Award)
- **Competition:** 2019 IT Architecture Competition (SITAC 2019); Designed data models (conceptual, logical, database), software models, to fit business and stakeholder requirements. Presented project roadmaps + deliverables.

EXPERIENCE

OSREVIEWS (TECHNOLOGY EDITOR, ANALYTICS)

Seattle, WA

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

2015 – Present

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 NPU (neural processing unit) London team

UC BERKELEY ENGINEERING, SUTARDJA CENTER (SOFTWARE ENGINEER)

Berkeley, CA

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

2016 - 2018

- Led 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)
- Used hands-on rapid prototyping, A/B testing, contextual interviews, and pitched to Javelin Venture Partners
- *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