WILTON WU

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EDUCATION

University of California, Berkeley   Berkeley, CA

Bachelor of Science (B.S.), Electrical Engineering and Computer Science   *May 2018*

Relevant Coursework	Artificial Intelligence, Machine Learning In Education, Databases, Data Science, Probability Natural Language Processing, Neural Networks, Operating Systems, Networking, Security
Technical Skills	Python, Java, R, SQL, Swift, C/C++, HTML/CSS, JavaScript, Go, LaTeX TensorFlow, NumPy, Pandas, SciPy, Spring, Unix/Linux, Git, Spark, Hadoop, Hive

TEACHING EXPERIENCE

Foundations of Data Science (Data 8X), UC Berkeley & EdX   Berkeley, CA

Head Student Instructor, Prof. Ani Adhikari, Prof. John DeNero, & Prof. David Wagner   *Spring 2018*

· Created content, developed technical infrastructure, and organized logistics for three online courses
· Incorporated into a professional certificate program in Data Science with a targeted enrollment of 100,000 students

Foundations of Data Science (Data 8), UC Berkeley   Berkeley, CA

Undergraduate Student Instructor, Prof. Ani Adhikari, Prof. John DeNero, & Prof. David Wagner   *Fall 2016, Spring 2017, Fall 2017*

· Introduced students to the basics of computer science and analyzing data, such as computer programming, statistical inference, and machine learning

RESEARCH & WORK EXPERIENCE

UC Berkeley EECS Department & School of Information   Berkeley, CA

Undergraduate Researcher, Prof. Zachary Pardos & Prof. David Culler   *August 2017 — Present*

· Modeled knowledge tracing through deep learning techniques for large-scale data science courses
· Examined scaling of data science education tools like jupyterhub, jupyter notebooks, and okpy autograding
· Incorporated free-form student code progression into Deep Knowledge Tracing (submitted to AIED 2018)

Amazon   New York, NY

Software Development Engineering Intern, Amazon Web Services Lex   *May 2017 — August 2017*

· Developed machine learning models and infrastructure for Amazon Lex, the deep learning technology behind Alexa
· Tuned machine conversational interfaces for automatic speech recognition and natural language understanding
· Contributed to machine learning libraries for Amazon Lex integration between eider and jupyter notebooks

Major League Baseball   San Francisco, CA

Software Engineer, Sports Data   *May 2016 — Present*

· Developed backend architecture to support an advanced baseball tracking system called Statcast
· Created natural language processing bot to generate pre-game baseball headlines based on Statcast data
· Built API to access Statcast data; over 1,000 terabytes of generated data per season used in internal applications

Microsoft   Redmond, WA

Project Manager (Contract), Technology and Corporate Responsibility   *January 2017 — May 2017*

· Lead team of consultants to identify strategies and solutions for accessibility technology
· Analyzed open source projects and internal software to improve the accessibility of Microsoft products

Valley Consulting Group   Berkeley, CA

Co-Founder & Senior Advisor   *January 2016 — Present*

· Started consulting group dedicated to technology projects related to cloud, machine learning, and education
· Worked with companies such as Google, Microsoft, Nvidia, Airbnb, LinkedIn, Dropbox, and Square