

WILTON WU

2010 Channing Way Apt. 3 ◊ Berkeley, CA 94704

wiltonwu@berkeley.edu ◊ (804) 325-7060

EDUCATION

University of California, Berkeley

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

Berkeley, CA

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

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

Berkeley, CA

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

Undergraduate Student Instructor, Prof. Ani Adhikari & Prof. John DeNero

Fall 2016, Spring 2017, Fall 2017

Berkeley, CA

- 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

Undergraduate Researcher, Prof. Zachary Pardos & Prof. David Culler

Berkeley, CA

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

Software Development Engineering Intern, Amazon Web Services Lex

New York, NY

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

Software Engineer, Sports Data

San Francisco, CA

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

Project Manager (Contract), Technology and Corporate Responsibility

Redmond, WA

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

Co-Founder & Senior Advisor

Berkeley, CA

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