Andrew Zhen

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EDUCATION

University of California - San Diego   Graduating June 2020
Bachelor of Science, Data Science

Coursework & Activities • Data Science A-Z™, Principles of Data Science, Data Structures, Data Theory, Research Methods, Object-Oriented Design, Linear Algebra, Discrete Mathematics, DS Student Society

SKILLS

Programming   • Java, Python, HTML, CSS, JavaScript, SQL (basic)
Software   • Tableau, Visual Studio, Jupyter, MATLAB, VIM, Eclipse, LaTeX, Adobe Lr/Ps/Pr
Platforms   • Macintosh, Windows, iOS, Android, Linux, Unix Terminal

PROJECTS

Quickly: web application   Winter 2018
• Developed responsive web application for students to download their schedules as a calendar (.ics) file
• Cleaned and extracted data for classes from Excel file and implemented dropdown-list feature for UI
• Worked with Python and Flask framework for backend and HTML, CSS, and JavaScript for frontend

my Money   Summer 2018
• Developed personal finance tracking application to easily oversee expenses and assets annually
• Summarized and categorized costs based on type, month, and academic quarter; written in Python

iMessage   Spring 2016
• Designed frontend UI model of Apple's iMessage messaging application using Java
• Stored user account data by writing to plain text file and worked on online hosting using socket classes

EXPERIENCE

Frontend Developer at Center for Applied Internet Data Analysis (CAIDA)   Jun. 2018 - Current
• Designed and developed crowdsourcing-based platform for Internet QoE measurement tasks
• Improved UI by enriching design elements and by gamifying functionalities
• Visualized measurement results; Client and server side based on JavaScript web framework, Meteor

Investment Data Science Intern at AlphaCore Capital LLC   Apr. 2018 - Jun. 2018
• Assisted in the creation, improvement and analysis of risk factors in macro/micro market structures
• Tested factor returns using supervised/unsupervised machine learning algorithms through scikit-learn
• Created a Python program to parse through and transform data sets into analyzable correlation matrix

Tutor at Applied Scholastics Academy East Bay   Sep. 2012 - Jun. 2016
• Effectively tutored 100s of students using uniquely tailored lessons and communicated with faculty
• Led activities to guide students through 6 projects and maintained classroom setting year-round