

Andrew Zhen

EDUCATION

University of California - San Diego
Bachelor of Science, Data Science

Graduating June 2020

Coursework & Activities

- Data Science A-Z™ (online Udemy course), Principles of Data Science, Data Structures, Data Theory, Research Methods, Object-Oriented Design, Linear Algebra, Discrete Mathematics, DS Student Society

SKILLS

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| 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

Communities of Knowledge Fall 2016

- Created a society simulation using Groovy and Repast software to model movement of artificial agents
- Places n shapes that move into a color-dependent formation in a cellular automaton environment

iMessage Spring 2016

- Developed frontend UI of Apple's iMessage messaging application using pure Java
- Stored user account data by writing to plain text file and worked on online hosting using socket classes

andrewzhen.github.io Summer 2017

- Photography portfolio with responsive layout, popup image modals, parallax scrolling effects and more
- Written using HTML, CSS and Javascript and implemented along with Google analytics tracking

EXPERIENCE

Investment Data Science Intern at AlphaCore Capital LLC Apr. 2018 - Current

- 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