

Matthew J. Orford

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EDUCATION:

University of Southern California • Los Angeles, CA

Present

B.S. in Computer Science

- *Activities:* USC Data Science Club, HackSC, Trojan Scholars Society, USC Ski & Snowboard Club and Pi Kappa Alpha
 - *Honors:* Presidential Scholar and Dean's List
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SKILLS:

- *Programming Languages:* C, C++, Java, JavaScript, Python, Scala, Swift, and TypeScript
 - *Foreign Language:* French
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WORK EXPERIENCE:

Teaching Assistant at USC • Los Angeles, CA

Present

- Grading programming assignments and helping students in the Viterbi School of Engineering's "Managing Data in C++" course.

Software Engineering Intern at Credit Karma • Charlotte, NC

Fall 2020

- Monitored and addressed errors on 1 of the 4 primary pages of Credit Karma's Native applications using Scala, Swift and various other development tools.
- Worked with product and QA teams to add and correct various UI components of the iOS app.

Product Management Intern at Credit Karma • San Francisco, CA

Summer 2020

- Developed solution to reengage ~50k involuntarily churned users per month that were blocked when trying to log in while connected to 3rd party VPNs.
- Bolstered overall security by ramping Native Security Settings and two-factor authentication.
- Built strategy for completely revamping both the Account Recovery and Registration processes.

Computer Science Tutor at USC • Los Angeles, CA

Fall 2019 – Fall 2020

- Aided students with varying degrees of experience in computer science on introductory programming in Python, C and C++; discrete mathematics; and machine learning.

Student Technical Assistant at USC IT Services • Los Angeles, CA

Fall 2018 – Spring 2020

- Evaluated AV technology in classrooms across campus to ensure all were in working order.
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RESEARCH:

ML Research Assistant at USC Department of Linguistics • Los Angeles, CA

Present

- Pursuing an effort to leverage computational linguistic models to improve the process of modeling viral RNA replication.

NLP Research Assistant at USC Institute for Creative Technologies • Los Angeles, CA *Spring 2020*

- Modified OpenAI's GPT-2 model to generate summaries based on visual data of training events.
 - Wrote Python scripts to collect and convert Wikipedia data into formatted training text.
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PROJECTS:

GitHub: mjorford (github.com/mjorford)

Personal Website • mattheworford.com

2020

- Implemented an HTML5/CSS3 site to display a biography, resume and portfolio of my work.

"WussOpen" Web Application

2019

- Used a Linux, Apache Tomcat, MySQL, Java (LAMJ) stack to develop a site that concisely displays details about restaurants nearest to the user's current location.