Chris Alviri

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EDUCATION

University of California, Berkeley

B.A. in History with High Distinction, 2019

GPA: 3.947 / 4.0

Thesis: A qualitative and quantitative text analysis of English slang insults in the 18th century using Python.

Coursework: proseminars in interpretations in history, data structures, structure and interpretation of computer programs, C++, productive use of the Unix environment.

SKILLS

- **Research:** Extensive experience with reading, writing, organizing information, and navigating both online and offline archives and databases.
- **Programming Languages:** Python, Java, C++, Unix, SQL (beginner), Scheme (beginner).
- **Libraries, APIs, and Technologies:** Jupyter, numpy, pandas, seaborn, matplotlib, Git, VPNs, Microsoft Office.
- **Languages:** English (native), Japanese (basic)
- **Certifications:** Serv Safe (2017)
- **General:** Leadership, public speaking, communication, conflict management, and teamwork.

PROGRAMMING PROJECTS

- **Ants:** Object oriented tower defense game inspired by Plants vs. Zombies in Python.
- **Galaxies:** Model-View-Controller pattern puzzle game in Java.
- **Enigma:** Implementation of Germany's WWII encryption machine in Java.
- **Amazons:** 2 player chess-board game and AI player with alpha beta pruning, in Java.
- **Twenty one:** User interactive blackjack game in C++.

EXPERIENCE

Operations Management, Berkeley Student Cooperative   May 2017 — May 2019

- Lived and worked at an onsite housing unit to oversee ~40 students.
- Managed housing unit with a team of several managers by resolving conflict among students, making financial decisions, and holding weekly manager and unit-wide meetings to present updates and discuss policies.

Kitchen Manager   Summer 2017, Spring 2018 — Spring 2019

- Budgeted and ordered all food and supplies for the unit, using Excel.
- Managed around ~$17k per semester and created ~$6k in surplus.
- Balanced frugality and meeting students' demands and wants.
- Oversaw the 14 person cooking team's schedules and mediated personal conflicts.
- Instructed the students in kitchen safety and cleanliness in public presentations.

Work-shift Manager   Fall 2017

- Coordinated the master schedule of work shifts for all the students, managing ~190 hours of work every week.
- Managed scheduling conflicts and general conflicts over workloads and times.
- Constantly communicated with students about the expectations, schedule changes, and other concerns.
- Taught all students the requirements of their shifts and wrote a manual to convey expectations.

Maintenance Manager   Fall 2017

- Concurrently was both work shift and maintenance manager, requiring exceptional time management and organization.
- Fixed maintenance issues by communicating with the main office and making personal repairs.
- Improved the facilities by initiating 5 "house improvement" projects and assigning students to work on them.
- Kept a record of 180 hours of "house improvement hours" owed and completed by students, using Excel.