

# Alexander Liu

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## EDUCATION

**University of California, Berkeley**

Fall 2020

B.A Candidate: Computer Science

**GPA:** 3.73/4.0

Relevant Courses: *Data Structures and Algorithms* • *Artificial Intelligence*

**SAT:** 2340 (800/780/760)

*Probability Theory* • *Linear Algebra & Differential Equations* • *Computer Architecture*

**ACT:** 35

## LANGUAGES AND TECHNICAL SKILLS

- Python, Java, HTML5, HTML/CSS, Git
- R, SQL, Business Process Modeling Notation (BPMN) 2.0

## WORK EXPERIENCE

**UC Berkeley IT Client Services**

**Berkeley, CA**

Student IT Technician

September 2019 – Present

- Perform campus-wide OS upgrades, managing network registration and active directory organization
- Provide technological and usage consultation to Berkeley staff to maintain network security standards
- Fulfill service requests of UC faculty for replacement of technical equipment or software disruptions

**UC Berkeley Department of Computer Science**

**Berkeley, CA**

Lab Assistant

June 2019 – August 2019

- Assist in the instruction of data structures and algorithms class during daily lab, teaching 30+ students
- Discuss and plan the curriculum and lessons with 40 other teaching staff to maximize student learning
- Host two office hours sessions weekly, offering students' specific assistance in debugging of programs

**Tom Sawyer Software** (Data Visualization Software Company)

**Berkeley, CA**

Operations Research Analyst Intern

May 2018 – August 2018

- Standardized product dev lifecycle to reduce time between builds by 11% in eliminating redundancies
- Modeled and analyzed 36 cross-functional operations across all 6 company departments using BPMN
- Used process model and research on product dev lifecycles (Agile, V, Waterfall) to find best practices

**HedgeSPA** (Investment Analytics Software Start-up)

**Singapore, Singapore**

Data Engineer Intern

June 2017 – August 2017

- Raised trial usage by 34%, redesigning user registration workflow with KeyCloak IAM and SuiteCRM
- Generated 100s of clicks by creating Fama/French valuation index on Asian assets using R and SQL
- Conducted A/B testing on potential user registration portals to determine the most intuitive process

## PROJECTS

**homeBase**

- Extension for Firefox/Chrome browsers to replace the default new tab page. Uses JavaScript parser to search websites directly, add shortcut keys, complete URL paths.

**Language Classifier**

- Created supervised learning classifier to identify language of text between English, Spanish, Finnish, Dutch and Polish using recurrent neural network architecture

## LEADERSHIP AND EXTRACURRICULARS

**imagiCal** (American Advertising Federation)

**Berkeley, CA**

Strategy Director

September 2018 – May 2019

- Led 30-person club to top 3 placement at National Student Advertising Competition regionals in 2019
- Implemented Agile-like workflow to bolster collaboration across 5 teams, leading to regional's results
- Analyzed 1000+ surveys, creating competitor landscape & customer behavior report of client's market