Alexander Liu

(248) 709-5065 • alexanderliu@berkeley.edu • in/alexanderzliu

EDUCATION

University of California, Berkeley — Fall 2021
B.A Candidate: Computer Science — **GPA**: 3.7/4.0
Relevant Courses: *Data Structures and Algorithms* • *Artificial Intelligence* — **SAT**: 2340 (800/780/760)
Probability Theory • *Linear Algebra & Differential Equations* • *Discrete Math* • — **ACT**: 35

LANGUAGES AND TECHNICAL SKILLS

- Python, Java, HTML5, HTML/CSS, JavaScript, Git
- R, SQL, BPMN 2.0

WORK EXPERIENCE

UC Berkeley IT Client Services — **Berkeley, CA**
Student IT Technician — September 2019 – Present
- Service Berkeley staff in computer re-imaging, maintaining documentation for procedures and systems
- Provide technological and policy consultations to clients in campus-wide update of operating systems

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
- Modeled 36 interdepartmental business processes with BPMN 2.0, standardizing product dev lifecycle
- Eliminated redundant efforts and consolidated department roles, reducing time between builds 11%
- Developed visualization tool with in-house software for modeling hiring trends and salary movements

HedgeSPA (Investment Analytics Software Start-up) — **Singapore, Singapore**
Data Engineer Intern — June 2017 – August 2017
- Created Asian asset index using R to generate Fama/French model on MSCI Asia Index constituents
- Implemented production feature using SQL queries to pull financial data updating index automatically
- Raised trial usage by 34%, redesigning user registration workflow with KeyCloak IAM and SuiteCRM

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.

LEADERSHIP AND EXTRACURRICULARS

imagiCal — **Berkeley, CA**
Strategy Director — September 2018 – May 2019
- Conducted market research by analyzing 1000+ survey responses, visualizing data with R & Qualtrics
- Led 5-man team in using research to formulate market strategy as framework for a $25M ad campaign
- Competed in National Student Advertising Comp with campaign, leading org to top 3 regional placing

Berkeley Model United Nations — **Berkeley, CA**
Treasurer — September 2018 – May 2019
- Directed 6-person staff to draft spending projections and record expenses, managing budget of $150k
- Helped lead team of 90 people to put on biggest event on UC Berkeley campus hosting 2250 students
- Improved registration experience for 100+ advisors in implementing transparent payment status hub