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, BPMN 2.0

WORK EXPERIENCE

UC Berkeley IT Client Services   **Berkeley, CA**
Student IT Technician   August 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
- 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.

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   **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