TREY L. LOWERISON

treylowerison.com • github.com/tlowerison • linkedin.com/in/tlowerison

(•••) •••-•••• • tlowerison@berkeley.edu • 2714 Durant Ave. Berkeley, CA

"I'm a triple threat in Computer Science, Physics and Entrepreneurship with a unique approach to every challenge. Give me a new problem and watch me adapt."

EXPERIENCE

DEVELOPER
LEAD INSTRUCTOR
code_it / "Go Code"
May 2017 - August 2017

- Instructed students including Shutterfly Co-Founder Dan Baum (*4 weeks*)
- Developed a project-based curriculum for *60* students which included basic Python, game logic, artificial intelligence and encryption (*5 weeks*)
- Designed website in 2 days, viewed by hundreds for maximal outreach

FREELANCE DEVELOPER
Self Employed
Oct. 2014 - Present

- Produced an Alpha-Beta Pruning AI for a two player game, improving its average case performance over a normal Minimax alg. by a *factor of 14*
- Designed website for a boutique hotel to increase usability and bookings
- Created website for local fraternity to increase public presence and member recruitment; *incoming class size up by ~200%* from last year

WEB DESIGNER
ASUC Office of the CTO
Jan. 2017 - Present

- Updating student senator accountability web app to increase public usage; will be able to access senators' meeting attendances and notes with ease
- Drafting case management system with tiered user access for Student Advocate's Office; drastic improvement over current paper system

LAB ASSISTANT
Lawrence Berkeley
National Lab
Sept. 2016 - Feb. 2017

- Collected and analyzed data to identify and reduce outgassing errors in ultra-sensitive photomultiplier/vacuum systems
- Gained working knowledge of industry standard vacuum flanges, pumps and tubes as well as oscilloscope use and circuitry design

EDUCATION

UC Berkeley

Class of 2019
GPA: 3.3
Computer Science
Physics

Coursework

Discrete Mathematics & Prob. Theory
Computer Architecture
Quantum Mechanics
Data Structures

Organizations

Cal Orientation Leader
 of 35 Students
ASUC Digital Service
Sigma Alpha Mu

INTERESTS

MATHEMATICS
PROGRAMMING
GUITAR
HIKING

PROFESSIONAL SKILLS

JAVA	6 years	HTML5	2 years
PYTHON	3 years	JAVASCRIPT	2 years
EXPRESS	6 months	CSS	2 years
MONGODB	6 months	ANGULAR	6 months