

TREY L. LOWERISON

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EXPERIENCE

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

- 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
- Taught coursework to students and a leader in high-speed internet (4 weeks)

FREELANCE DEVELOPER
Self Employed
Oct. 2014 - Present

- Created website for local fraternity to increase public presence and member recruitment; *incoming class size up by ~200%* from last year
- Designed website for a boutique hotel to increase usability and bookings
- 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*

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

- Contributed to development of student senator accountability interface; public can easily view student senators' meeting attendances and notes
- Planning application for student advocacy cases with case management and user system; drastic improvement over current paper system

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

- Collected and analyzed data to identify to 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
Computer Architecture
Basic Semiconductor Laboratory
Discrete Mathematics & Prob. Theory
Data Structures

Organizations
Sigma Alpha Mu
ASUC Digital Service
Golden Bear Orientation-
Leader (35 Students)

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