

Anders Lewis

Education:

BA in Computer Science, BA in Music.
Expected graduation in May 2018

Coursework:

In Progress (Fall 2016):

*Operating Systems, Probability and Random Processes, Robotics

Completed:

*Machine Structures, Data Structures, Discrete Math, Probability Theory, Linear Algebra, Calculus,
Artificial Intelligence, Computer Security, Algorithms
*Classical Physics and General Chemistry

Work Experience:

Synack: Summer 2016

SWE Intern

Full-time position working on critical code for Hydra, Synack's main automated threat discovery platform.

Experience:

Independent Computer Science Research: Spring 2015-Fall 2015

*Investigated an application of natural language processing on compression in an independent research project supervised by Professor John Denero.
*Wrote a testing environment in Python to benchmark an experimental compression algorithm.
*Implemented a word-predictor function using the kenlm language model and applied it to the encoding function of a custom-built compression algorithm.

Computer Science Mentors (CSM): Fall 2015-Spring 2016

Senior Mentor

*Taught an adjunct introductory computer science course for UC Berkeley (CS61A).
*Topics included Python, recursion, Lisp, SQL, and some basic data structures.
*Led weekly discussion based teaching sections with students.

Berkeley Carillon Guild: Spring 2014-Present

Historian and Carillon Instructor

*Taught weekly lessons on basic carillon (belltower) form and musicianship to beginning carillon students.
A final recital was held wherein students played project pieces on Sather Tower.

Projects:

Github:

wmutils contributions:

*Patched features and contributed scripts to a set of C-based XCB window manipulation utilities.

Window Manager:

*Implemented a window manager with workspaces, vim-like keybindings,
VU meter borders and wallpaper-adaptive color schemes.

Skills:

Technical:

*Comfortable with Python, Lisp, Unix, Java, C, \LaTeX , sh, vim, and SQL
*Proficient with Android, web, git, GLSL
*Proficient in soldering and CNC milling

Extracurriculars:

*Cal Fencing Club, Cal Climbing, Brazilian Jiu Jitsu at Berkeley (officer)