Nick Rose

707.490.8129 / nsrose@berkeley.edu
http://nicksrose.com
https://github.com/Nsrose

EDUCATION

University of California, Berkeley - Berkeley, CA — Grad. May 2017

Bachelor of Arts Candidate, Computer Science (CS)

- GPA: 3.96, Upsilon Pi Epsilon CS Honors Society, Computer Science Scholar
- Current coursework in Data Structures and Advanced Programming, Linear Algebra.
- Completed coursework in the Structure and Interpretation of Computer Programs, Web Design, Discrete Mathematics.

Analy High School – Sebastopol, CA — Grad. May 2013

- GPA: 4.3, top 4% of graduating class

WORK AND LEADERSHIP EXPERIENCE

The Center for Entrepreneurship and Technology (CET) – Berkeley, CA — 06/14 - Present

Full Stack Web Developer

- Connected students and entrepreneurs across Berkeley by building feed-style webapp with Django, Ajax, and APIs.
- Accumulated full stack development skills by starting as a frontend intern and moving to backend as I gained new skills.

EdX Development Research Team - Berkeley, CA — 01/14 - Present

Student Researcher

- Increased efficiency of Berkeley's CS intro course—CS10—for edX platform by building backend Python parsing tools.
- Adapted MapReduce tools along with higher order functions and list comprehensions for autograding tools within Snap.

Google at Berkeley Student Group - Berkeley, CA — 09/13 – 06/14

Education/Tech Chair

- Led and prepared workshops on products such as Drive, App Engine, and Extensions to maximize students' productivity.
- Increased student engagement by showcasing cutting edge Google products like Google Glass using sponsored exhibits.

Sonoma State University - Rohnert Park, CA — 06/12-08/12

Lead Electrical Engineering Intern

- Selected out of 80 competitors countywide to participate in exclusive STEM internship based on teacher recommendations.
- Designed and soldered a life-saving Electrocardiogram circuit by working closely with engineering professor, Dr. Jack Ou.
- Presented and demonstrated my research to chair of engineering department, Suzanne Rivoire, 20 professors and 10 interns, by adopting impromptu speech and parliamentary debate skills.

PERSONAL PROJECTS

FlyingPepperProductions Site — 07/15 - Present

- Increased load time and built showcasing site for Miles Pepper's video production company. Incorporated newly learned performance optimization tools such as image downscaling, video modals, and Javascript dictionaries.

Lab Parser — 01/14 - Present

- Coded and self-taught backend Python script that parses CS10 labs into xml files appropriate for importing into edX course. Reduced importing workflow from ~2 hours to 5 seconds.

Laziness Finder App - http://tinyurl.com/knssbwk — 04/14

- Created web application that matches the user with a group of five states in the United States where they should live.
- Analyzed data from the Center for Disease Control and a humorous quiz to determine the laziness level of the user. Optimized website frontend using new skills learned from Web Design class: HTML, CSS3, Javascript, and jQuery.

Generation Effect App - http://tinyurl.com/m4zemhy — 01/14

- Enhanced text memorization by constructing a website that uses the cognitive phenomenon of the generation effect.
- Built for the Berkeley Hackjam Hackathon in 12 hours as my first hackathon project. See Github and LinkedIn for more info.

Water Buckets App - http://tinyurl.com/lut9afg — 12/13 – 01/14

- Created visualization of the classic water buckets logic puzzle by building a website application based in Javascript.
- Acquired frontend web design skills by illustrating complex problem with simple interactive online game.

"Uno!" Solver — 09/13-10/13

- Demonstrated the efficiency of algorithmic representations of card games by automating a game of "Uno" in Snap.
- Used autonomous rule-based system, strategic algorithms, and concurrency to announce a winner of four computer players.
- Program has the ability to swap out computer players for real ones, using a turn-based interface.

OTHER

Computer Skills

- Programming Languages: Java, Python, HTML5/CSS3, Javascript, Jquery, Django, Unix, Git, Scheme, App Engine, Snap

Interests