Nick Rose

707.490.8129 / nsrose@berkeley.edu
http://nicksrose.com

EDUCATION

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

Bachelor of Arts Candidate, Computer Science (CS)

- GPA: 3.94, Computer Science Scholar, Mentor / Grader for Data Structures class
- 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

PACKD – Berkeley, CA — 08/14 - Present

Lead Backend Developer

- Increased effectiveness of students' workouts by building app that uses card-swipe data to show how crowded the university gym is on a given day at a certain hour. Worked with a group of passionate students on this nonprofit project.
- Gained valuable product management skills by putting myself in charge of backend team, assigning goals and tasks.

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.
- Streamlined course building process by converting html to xml, made process which used to take ~4 hours now only seconds.

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.

PERSONAL PROJECTS

PACKD App - http://tinyurl.com/mxeenhc — 08/14 - Present

- Designed specific inputs and outputs for each team of the app – frontend and backend – to abstract tasks effectively.
- Compiled card-swipe data from over 3 years and built parsing Python script to process data into a JSON dictionary.

FlyingPepperProductions Site - http://tinyurl.com/mslgas9 — 07/14 - 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.

Course Builder - http://tinyurl.com/muyyx5b — 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 ~4 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 website using the cognitive phenomenon of the generation effect for hackathon.

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 Skills: Java, Python, C, Git, HTML5/CSS3, Django, Javascript, Jquery, Unix, Logisim, MIPS, Assembly

Interests

- Salsa dance, heavy metal/jazz guitar, alto sax soloing, black diamond backwoods skiing, surfing, camping, cooking