HENRY ROWSWELL

akahenry.com

henryrowswell@berkeley.edu   (510) 229-8760   2320 Warring St. rm #203, Berkeley, CA 94704

EDUCATION

EECS **at UC Berkeley**   **2013 – 2017**
BS in Electrical Engineering & Computer Science
Coursework:
CS: Databases | Data Structures | Efficient Algorithms and Intractable Problems | Software Engineering |
    Artificial Intelligence | Machine Structures | Components and Design Techniques for Digital Systems |
    Introduction to the Internet: Architecture and Protocols
EE: Introduction to Embedded Systems | Structure and Interpretation of Systems & Signals | Introduction to
    Microelectronic Circuits
Management (Haas): Leading People | Entrepreneurship

WORK EXPERIENCE

Backend Engineering Intern **at Tile**   **June – August 2016**
- Implemented APIs for transfering Tile ownership between users, checking reTile eligibility, and
  detecting outdated app versions
- Wrote unit tests for each API, tests to improve code coverage, and tests for existing bugs

Lead Windows Systems Administrator **at Residential Computing**   **May 2015 – present**
- Lead a team of six, three that I hired and trained
- Develop and maintain over 250 servers, supporting over 800 workstations and 1,800 staff

Desktop Administrator **at Residential Computing**   **June 2014 – May 2015**
- Responsible for the technical operations and support of two Academic Centers (AC), computing labs
  where students can study, access the web, and print their papers.
- Each AC serves over 1,000 students and holds up to 40 PC and Mac workstations and printers

Lab Assistant **at UC Berkeley**   **January – May 2014**
- Helped organize and run weekly lab sections in CS61A, an introductory course to computer
  programming in Python, taken by over 1000 students every semester.

Programming Intern **at Innovation Works**   **July – August 2013**
- Worked on backend database management for a IOS app using Python/Django at this incubator
  in Beijing

PROJECTS

Classic **Video Games**
- Recreated games such as Donkey Kong, Asteroids, Megaman and more using various languages
  including Java, C++ and C#

Raspberry Pi **Pet Feeder**
- Designed and built a mobile app controlled automatic pet feeding machine using Python and a
  Raspberry Pi

SaaS **App**
- Built a web app using ruby on rails for our customer, the Richmond Main Street Initiative. We
  use Agile development techniques and test using tools such as Rspec and Cucumber

Electrical Team Lead **in Aero SAE**
- Leading a team of 5 students to design, test, and implement all electrical systems on our team's
  RC plane for competition