

# KELLI ROCKWELL

Engineer | Scientist | Programmer | Artist

## CONTACT ME

kellirockwell@mail.com | (480) 209 2423

[courier-new.github.io](mailto:kellirockwell@mail.com)

## EDUCATION

**POMONA COLLEGE** | Claremont, California

AUGUST 2013 – MAY 2017

Bachelor of Arts, Physics and Computer Science

**UNIVERSITY OF EDINBURGH** | Edinburgh, Scotland, UK

AUGUST 2015 – DECEMBER 2015

Semester Abroad

## WORK EXPERIENCE

**PROJECT MANAGEMENT INTERN** | eBay

MAY 2016 – AUGUST 2016

- Oversaw production from the ground up of a web-based platform for internal communications for the Global Foundation Services division, which manages eBay's data centers, networking, and security
- Created a presentation-ready, live, and scalable dashboard of operational statistics of eBay's infrastructure

**RESEARCH ASSISTANT** | KAPAO: A Pomona Adaptive Optics

APRIL 2014 – AUGUST 2015

Ongoing NSF-funded instrumentation effort started in 2010 to develop and deploy a low-cost, remote-access, natural guide star adaptive optics system capable of correcting wavefront deformations to sharpen images of the cosmos

- Upgraded hardware and software, performed detailed optical realignments, and refined data analysis techniques
- Piloted multiple-night observational runs with colleague, gathering data on more than a dozen astronomical targets
- Presented findings with colleague through series of three posters and two informational talks at Pomona research fair and Conference for Undergraduate Women in Physics 2015

**WEB DEVELOPMENT ASSISTANT** | Pomona Communications, [pomona.edu](http://pomona.edu)

SEPTEMBER 2014 – MAY 2016

- Updated, organized, and unified content and style of web pages on behalf of Pomona faculty and administration
- Migrated and reformatted content to a new content management system during website redesign
- Consulted departments interested in remodeling their sub-sites

**FREELANCE GRAPHIC DESIGNER** | Thiink, [thiinkposters.com](http://thiinkposters.com)

JUNE 2007 – PRESENT

- Developed brand and website for service focusing on custom poster design for college students
- Designed website layouts, company/group logos, presentational materials, event brochures, infographics, article illustrations, and photomanipulations/photo retouchings for diverse purposes and platforms

## TECHNICAL SKILLS

**LANGUAGES** | JavaScript (ES2016, jQuery, Node.js), HTML5, CSS (Sass, LESS), PHP, Java, Python, MySQL, Mathematica

**OPERATING SYSTEMS** | Windows (XP, Vista, 7, 8, 10), Mac OS X, Linux (Ubuntu, Unix terminal)

**PROGRAMS** | Adobe Creative Suite (Photoshop, Illustrator), Git/GitHub, Command Line, Editors/IDEs (Eclipse, Sublime Text, Atom, Notepad++) XAMPP, FTP/SSH, MS Office (Word, Excel, PowerPoint, Outlook)

## VOLUNTEERING AND LEADERSHIP

**CUWiP LOCAL ORGANIZER & WEBMASTER** | American Physical Society

MARCH 2017 – PRESENT

- As local organizer, coordinated with a committee of 20+ student, faculty, and staff volunteers as part of programming the 13th annual regional Conference for Undergraduate Women in Physics (CUWiP)
- As webmaster, will be developing and managing the region's conference website on behalf of the committee

**CO-FOUNDER & INTERNAL COORDINATOR** | Physics Cohort Guides

MAY 2016 – JANUARY 2017

- As co-founder, led a student team in devising and integrating a mentoring program for introductory physics students at Pomona College, aimed at promoting higher retention of women and minority physics majors after first year
- As internal coordinator, planned cohort events, meetings, and check-ins and managed channels of communication

**DEPARTMENT LIAISON** | Pomona Physics Department

JANUARY 2013 – MAY 2017

- Coordinated events encouraging interaction among faculty and students as well as outreach to prospective students

- Mediated department discussions on topics such as inclusiveness, department climate, and course expectations