




# Noah Lopez

Software engineer with a passion for the arts  
Experience with full stack development

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<https://noah-lopez.github.io/portfolio/> 

**UC Berkeley - B.A. Computer Science - Minor Theatre and Performance Studies**  
Graduation May 2018

## Technical Skills

**Ruby Java Python SQL C HTML JavaScript CSS**

**RDBMS Prototyping Agile XP Rails Node.js MongoDB**

**Game Design UI/UX Design Sound Design Lighting Design**

## Work Experience

### **Full Stack Engineer - Community Grows Summer 2017**

- Worked in a team of 5 engineers to construct a board portal for the companies internal communications
- Refined and optimized legacy code
- Developed and implemented several new features for the site
- Adhered to Agile XP practices
- Conducted weekly meetings with our client
- Gained experience with HTML, CSS, JavaScript and Ruby on Rails

### **Academic Intern - Computer Science 61a Spring 2017**

- Helped to facilitate CS61a, one of the largest courses at UC Berkeley with 1000+ students and 300+ staff
- Worked with students at weekly office hours to help them fully understand material, finish up projects and complete problem sets

## Personal Projects

### **POWER UP! Summer 2017**

- A health and fitness web application with a comic book twist
- Built with Ruby on Rails, Haml, CoffeeScript and FitBit API

### **Film Point Average Spring 2018**

- A site which aims to legitimize online audience film ratings
- Built with Ruby on Rails, Haml, CoffeeScript

## College Project Highlights

### **Database Fall 2016**

- Developed file management methods; dealt with fixed/variable length records, schemas, records, pages etc.
- Implemented join operators

### **Crypto K-V Datastore Spring 2017**

- Implemented a cryptographically secure data store. Upholding Authenticity, Confidentiality and Integrity
- Used RSA, HMAC, CFB encryption etc.

### **Ray Tracer Spring 2018**

- Implemented a fully functioning Ray tracer using BVH, Direct/indirect illumination, adaptive sampling etc.

### **Gitlet Spring 2015**

- A striped down git version control program complete with commands, restores, branches and more!

## Awards

**CS 160 (UI Design) Design Award for "Proxemic Mirror"**