

# LISA DUNLAP

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lisabdunlap@gmail.com

**EDUCATION**    **WESTLAKE HIGH SCHOOL, AUSTIN, TX**  
High School Diploma, May 2017

**UNIVERSITY OF CALIFORNIA, BERKELEY, BERKELEY, CALIFORNIA**  
Computer Science and Applied Math Candidate, Expected graduation, May 2020

- GPA: 3.758
- On 3 year graduation plan

**WORK EXPERIENCE**    **RIVET NETWORKS, AUSTIN, TX**  
Software Intern, May 2015 - Sep 2016

- Quality assurance
- Maintaining website, mostly front end
- Programmed the systems auto update system
- Collaborated on various coding projects

**ALPHA GUARDS, AUSTIN, TX**  
Lifeguard Manager, Apr 2014 - Oct 2016

- Pool manager
- Lifeguard and swim instructor

**UC BERKELEY, BERKELEY, CALIFORNIA**  
Math Reader, Jun 2018 - Present

- Grade homeworks for math 54 (linear algebra and differential equations) and math 128a (numerical analysis)

**PROFESSIONAL EXPERIENCE**    **DOUGLAS EIFLER, LAWRENCE, KS**  
Biological Analyst, Jun 2015 - Present

- Part of two research projects in Cabo Mexico and Colorado Springs, currently working on the write-ups for publication
- Designed methods for research projects on movement ecology of lizards
- Created a data collection application to be used in field research

**RISE LAB , BERKELEY, CALIFORNIA**  
Undergraduate Researcher (Explainability), Sep 2018 - Present

- Working under Richard Liaw (Berkeley Ph.D. candidate)
- Exploratory research on explainability in image classification, with an emphasis on the applications of Grad-CAM, Mask-RCNN, and GAIN.

**ADDITIONAL SKILLS**

- Fluent in Python, Java, Ruby, C, SQL, HTML/CSS, and Matlab
- Experienced in frontend and backend web design
- Experience in application of data structures and CNNs

**PROJECTS**

- GitHub: lisadunlap
- Colorado Checkered Whiptail project on First Passage Time and Turn Angle (still in progress)
- Flag Design Website (vexillologyners.com)
- Version control system
- Data Collection App

**REFERENCES**

- Douglas Eifler (Biological Analyst, Kansas University): doug.eifler@gmail.com
- Joey Gonzalez (Assistant Professor, UC Berkeley): jegonzal@cs.berkeley.edu
- Richard Liaw (PhD Student): rliaw@berkeley.edu