Cameron S. Lopez

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Education

University of California, Berkeley | School of Information — **Aug 2019 – May 2021**
- Master of Information Management and Systems

University of California, Berkeley — **Aug 2015 – May 2019**
- Bachelor of Arts, Cognitive Science
- Conservation and Resource Studies Minor
- 3.71 GPA

Experience

User Experience Research Intern — **May 2019 – Aug 2019**
Oakley | Orange County, CA
- Lead a three-month study in which I examined the effect of a new lens technology on reaction times of color-deficient individuals.
- Designed, programmed, and built an experiment involving a visual-motor secondary task and multiple lights of specific wavelengths and intensities.
- Recruited 40 participants to participate in the hour-long study over a 3-week period.
- Used Pandas to build an analysis pipeline for the raw data, then conducted mixed ANOVA to analyze the interaction of reaction time and error rate.
- Findings used by Oakley to lobby to the American National Standards Institute to influence national sunglass policy, and will be presented at the 11th International Conference on Human Factors and Ergonomics in July.

User Experience Design Intern — **Mar 2019 – May 2019**
BitBroker Labs | San Francisco, CA
- Collaborated with the CEO to design the BitBroker Labs logo, as well as the current logos for their subsidiary companies: BitBroker, BitProjects, and CoinSumo.
- Created user flows, wireframes, and high-fidelity prototypes to produce the landing page for their subsidiary company CoinSumo as well as their main landing page.

Computer Science and Neuroimaging Intern — **May 2018 – Aug 2018**
Sandler Neuroscience Center | University of California, San Francisco
- Implemented a data analysis pipeline for automating quality assurance of 13,000+ patient MRI scans.
- Ran deep neural networks using Keras and Tensorflow to analyze structural MRI tissue segmentations.
- Ran MatLab scripts to find optimal parameters for generating individual predictions of future brain change.
- Assisted in development of interactive visual application of brain structure latent space interpolation and corresponding subject atrophy maps, as well as actual and predicted longitudinal change maps. Now used as a patient dashboard for the lab.

Projects

Project Manager and Front-end Designer — **Aug 2018 – Dec 2018**
Task Pal | CS160 User Interface Design Semester-long Project
- Oversaw a team of 5 during the iterative design process of creating a fully-functional scheduling application.
- Conducted user interviews and oversaw user testing of low and high-fidelity prototypes.
- Programmed all front-end design using Android Studio.

Software
- Python, Java, R, MatLab, HTML/CSS, SQL

Design
- Illustrator, Sketch, Figma, InVision

Miscellaneous
- Lean Six Sigma Yellow Belt Certified