

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 blinking 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 to be used by Oakley to lobby to the American National Standards Institute to influence national sunglass policy. Publication pending.

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