

Hans Elizaga

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github.com/helizaga

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EDUCATION

- **University of California, Berkeley** Berkeley, CA
 - Bachelors of Arts in Data Science and Cognitive Science; Overall GPA: 3.56 May 2020
 - Relevant Coursework: Data Mining & Analytics, Data, Inference, & Decisions, Principles & Techniques of Data Science, Computational Models of Cognition, Cognitive Neuroscience, Artificial Intelligence
 - Awards: Academic Honors, Consortium of Information Systems Scholarship, Warren L Finke Memorial Scholarship, Bernard Osher Scholarship

SKILLS

- **Languages:** Python, C++, C, Javascript, Java
- **Databases:** MySQL, PostgreSQL
- **Tools:** TensorFlow, Pandas, Numpy, Git, SKlearn, Scipy, Matplotlib, Jupyter, Excel
- **Web Technologies:** Flask, Django, HTML, CSS / SCSS, Heroku

HIGHLIGHTED PROJECTS & EXPERIENCE

- **Berkeley Wireless Research Center** Berkeley, CA
 - System Administrator Oct 2018 - Dec 2020
 - Monitored server cluster/node health by analyzing hardware logs and critical syslog using Ganglia and Nagios. Implemented load balancing, ultimately improving system availability (averaging 99.9% up-time.)
 - Designed shell scripts with Puppet to automate routine sysadmin tasks, such as database cleanup, privilege assignment, and virtual machine deployment.
 - Responsible for creating, managing, and updating company website content every week. Migrated the website's static web content to a content management system (CMS).
- **Project - Waste Image Classifier** Berkeley, CA
 - Course: Data Mining & Analytics Spring 2020
 - Led a team of five students in coding and implementing a full-stack website multi-layered convolution neural network to sort random pictures into trash or non-trash classifications.
 - Used Google's Inception V3 for transfer learning on thousands of waste images crowd-sourced and taken personally.
 - Built a website full-stack with Flask, Python, HTML, and JS and deployed with Heroku to allow photo upload and output the prediction to the user.
- **Project - Movie Recommendation System** Berkeley, CA
 - Course: Data Mining & Analytics Fall 2019
 - Developed a movie recommended system with collaborative filtering using K-nearest neighbor classification and the MovieLens dataset using Python, Pandas, and Numpy.
 - Deployed a front-end interface using Anvil Uplink and Jupyter Notebook to provide user interaction.

LEADERSHIPS & EXTRACURRICULAR ACTIVITIES

- **Freelance** Walnut Creek, CA
 - Web Developer Aug 2017 - Present
 - Design and develop a fluid and responsive website to better showcase their product.
 - Implemented using HTML, CSS / SCSS, Javascript, and custom CMS frameworks.
 - Clients: Noms.com, Thepumpmaster.com, Evoenergy.pro, Metrosak.com, hanselizaga.live