Hans Elizaga

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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**: Node.JS, 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 using nginx, 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 as webmaster, as well with creating custom themes and modules for the content management system (CMS) with HTML, Javascript, CSS, SASS, and PHP.

- **Freelance** — Walnut Creek, CA
  Web Developer — Aug 2017 - Present
  - Designed and programmed user-friendly, efficient websites to better showcase their business/product.
  - Implemented using HTML, CSS, Django, Node.JS, React, PostgresSQL, and custom CMS frameworks.
  - Clients: Nomsi.com, Thepumpmaster.com, Evoenergy.pro, Metrosak.com, hanselizaga.live

- **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.