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

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, and HTML 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: Nomsi.com, Thepumpmaster.com, Evoenergy.pro, Metrosak.com, hanselizaga.live