

# Hans Elizaga

hanselizaga.me  
github.com/helizaga

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## EDUCATION

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

## SKILLS/AWARD

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

## HIGHLIGHTED PROJECTS & EXPERIENCE

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- **Berkeley Wireless Research Center** Berkeley, CA
  - *Associate System Administrator* *Oct 2018 - Dec 2020*
    - Monitored server cluster/node health by analyzing hardware logs and critical syslog using Ganglia and Nagios.
    - Designed scripts to automate routine sysadmin tasks, such as restoring databases/privileges, ultimately improving system availability (averaging 99.9% up-time.)
    - Responsible for creating, managing, and updating company website content every week. Migrated the website's CMS to different platforms.
- **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 provide visualization and interaction.
- **Project - Movie Recommendation System** Berkeley, CA
  - *Course: Data Mining & Analytics* *Fall 2019*
    - Developed a movie recommended system with collaborative filtering using a K-nearest neighbor algorithm and MovieLens dataset using Python, Pandas, and Numpy.

## LEADERSHIPS & EXTRACURRICULAR ACTIVITIES

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- **Free-lance** Walnut Creek, CA
  - *Web Developer* *Aug 2017 - Present*
    - Design and develop a fluid a responsive website to better showcase their product.
    - Implemented using HTML, CSS, Javascript, jQuery, and custom frameworks.
    - Clients: Noms.com, Thepumpmaster.com, Evoenergy.pro, Metrosak.com
- **Northgate High School** Walnut Creek, CA
  - *Wrestling Coach* *Nov 2017 - Present*
    - Led varsity team to consecutive league championships and the first district championship in ten years.