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 *Graduation: May 2020*

EXPERIENCE

Berkeley Wireless Research Center Berkeley, CA
Associate System Administrator *Oct 2018 - Present*

- **Server Monitoring**: Perform monitoring software administration using Ganglia, Nagios, and Unix shell scripting using Bash shell, optimizing system availability (averaging 99.95% up-time.)
- **Virtual Hosting**: Installs, configures, and manages Apache virtual hosts and web services using Puppet modules in a Unix environment.
- **Storage Management**: Perform daily backup of required file systems and systems data to the appropriate media according to specific settings for security and streamlined data flow.
- **Infrastructure Support**: Set up user workstations, assisted in troubleshooting system issues in Unix and OSX computing environments, restored databases, and installed software.

Nomsi Walnut Creek, CA
Web Developer *Aug 2018 - Dec 2018*

- **Full-Stack**: Created a web layout and user interface in HTML and CSS and designed back-end server code using JavaScript and AJAX libraries.
- **Q/A Testing**: Carried out unit tests, integration tests, and end-to-end tests to discover errors and optimize usability.

Society of Hispanic Professional Engineers (SHPE) Concord, CA
Public Relations Officer *Aug 2017 - Jul 2018*

- **Leadership**: Successfully executing club socials, fundraisers and workshops with other organizations.
- **Executive Assistance**: Assisted the upper management of SHPE by interacting with executives of STEM companies in the Bay Area

Contra Costa Clean Water Program Martinez, CA
Spokesperson *Summer 2016 - Present*

- **Public Communication**: Educate the public about storm drain pollution and the environmental importance of recycling used motor oil and filters in a fast-paced social environment

PROJECTS

- **To-Do List (Spring 2020)**: Developed a to-do list app with Python, Django, HTML, and SQLite
- **Document Scanner (Spring 2020)**: Developed a document scanner using Python and OpenCV.
- **Waste Image Classifier (Fall 2019)**: Used convolution neural networks and a pre-trained Inception model to sort random pictures into trash or non-trash classifications.
- **Movie Recommendation System (Spring 2019)**: Developed a movie recommended system with collaborative filtering using a k-nearest neighbors algorithm on using Pandas and Python.

SKILLS/AWARD

- **Languages**: Python, C++, HTML, CSS, JavaScript, SQL
- **Frameworks/Tools**: Git, Slack, Pandas, Numpy, SKlearn, Scipy, Matplotlib, Django
- **Award/Honors**: Academic Honors (Summer 2016-Fall 2017, Winter 2018-19, Spring 2019), Consortium of Information Systems Scholarship (2017), Warren L Finke Memorial Scholarship (2017), Bernard Osher Scholarship (2017)