

# Hans Elizaga

<http://hanselizaga.me/>  
<https://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*

## EXPERIENCE

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- **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:** Commended for technical, analytical and problem-solving skills troubleshooting hardware and software problems in Linux, Solaris and OSX computing environments on a day-to-day basis.
- **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

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- **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

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- **Languages:** Python, C++, HTML, CSS, JavaScript
- **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)