Calvin Huang

CONTACT

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EDUCATION

University of California, Davis, Davis, CA
BS Computer Science Candidate, Expected Graduation, JUN 2018

WORK EXPERIENCE

College of Alameda   Sep 2014 — Jun 2016
Computer Information Systems Tutor

- Administered and proctored academic and diagnostic assessments.
- Provided instruction for students to prepare them for their class material (ex: Python).
- Participated in training and development sessions to improve tutoring practices and learning techniques.
- Guided students through word processing applications, spreadsheets, and database management.

SKILLS

Programming Languages: C++, HTML/CSS, JavaScript, Java, Python
Familiar with: JSON, XML, LaTeX, Git, Node.js, React Native, NumPy, Pandas, scikit-learn, keras
Multimedia Tools: Adobe Photoshop, Illustrator, After Effects, Blender

PROJECTS

Amazon Alexa
Front End Developer | JAN 2017 - JAN 2017
- Created an Alexa Skill used to locate nearby bust stops and output their arrival times based on user input.
- Initialized the front-end of an Alexa Skill by setting app parameters in the Amazon Developer Portal.
- Designed the project flow by specifying objectives to accomplish.
- Collaborated with partner to scrape the NextBus API and convert their XML to JSON using JavaScript and Node.js.

Web Development
Full Stack Developer | NOV 2016 - PRESENT

- Designed and built websites (Weather page, Image-sharing site) using HTML/CSS/JavaScript/Node.js.
- Used SQLite3, Ubuntu, XMLHttpRequests, String parsing, and Callback functions to store and serve an image database.
- Created a Google Chrome Extension to actively filter out images, using Google Cloud Vision API.
- Enforced a responsive design for a web page by supporting desktop as well as mobile view-ports.

Machine Learning
Student | WINTER 2018

- Utilized Python machine learning libraries to create both supervised and unsupervised algorithms.
- Techniques used include: Linear Regression (OLS, Gradient Descent, Logistical), Regularization (LASSO/Elastic/Ridge), Artificial Neutral Networks(Perceptron, Back Propogation), Classifiers (Naive Bayes, k-Means, Decision Trees, k-NearestNeighbor), Principal Component Analysis, ROC curves, Support Vector Machines.