

JORDAN WONG

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EDUCATION

University of California - Davis

September 2021 - December 2024

Bachelor's, Computer Science, Cinema & Digital Media

GPA: 3.7

- Machine Learning, Operating Systems, Programming Languages, Cryptography, Computer Architecture, Data Structure and Algorithm Design and Construction, Unit Testing, Object Oriented Programming, Linear Algebra, VR Development

EXPERIENCE

UC Davis Letters and Science IT Department

Davis, CA, USA

IT Help Desk Analyst

September 2022 - Present

- Provide technical support to 900+ faculty and staff in the Letters and Science department faculty through ServiceNow
- Resolve technical issues, software installation, computer hardware malfunctions, and network connectivity problems.
- Assist and manage computer systems through re-imaging and use of Microsoft's Active Directory Domain

UC Davis Biomedical Engineering Department

Remote

Student Teaching Assistant

April 2022 - June 2024

- Managed Google Firebase containing data of 100+ students quarterly for BIM088V, assisting with user authentication and cloud management
- Assisted the implementation of Python code of auto-grading students based on due dates and completion, done through Firebase data and Canvas student information
- Wrote scene transitions between game levels in C# Unity Game Engine, reducing loading times through decoupling and pushing with version control on Git

PROJECTS

NSF Game Research: Photolithography Project Demo

Davis, CA, USA

- Assisted in the development of an education photolithography game used to prepare incoming 100+ students for the subject
- Researched component design patterns implementable within Unity representative of the etching process
- NSF Award Number: 2003849 ; Under the guidance of Professor Erkin Seker, in a team of 8 with defined roles

Fish Identifier CNN

Davis, CA, USA

- Manipulated data of 10,000+ images of 9 species of fish using Python, Keras, Tensorflow, and Pandas
- Use of common CNN techniques like activation functions, normalization, dropout layers, and max pooling
- Provided data visualizations of model, along with comparisons to ResNet-50 and VGG16 models with accuracy of 90%

NodeJs Blog

- Designed and implemented RESTful APIs to handle CRUD operations for blog posts, categories, and user data through Nodejs
- Integrated MongoDB with Mongoose for efficient schema modeling, validation, and querying of blog content.
- Built responsive front-end views using Express templating, ensuring a seamless user experience across devices.
- Deployed the application on AWS Elastic Beanstalk, utilizing managed EC2 environments for scalable hosting, and configured environment variables and deployment scripts for CI/CD efficiency.

Hackathons

- Researched modern e-commerce issues facing merchants and conceptualized solutions driven by AI
- Utilized hugging face AI to recognize damaged and new product based on user images for returns, providing a quick summary through OpenAI on quality
- Managed database in SQL to ensure customer requests are properly stored and used for training data

SKILLS

Languages: C/C++, C#, JavaScript, Python, HTML/CSS, SQL, Java

Frameworks & Engines: React.js, Node.js, OpenAI, Express.js, MongoDB, AWS

Tools: Git, Firebase, Tensorflow, Keras, Pandas, Pytorch, Xcode, Google Colab, MySQL