

# Jordan Wong

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## Education

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### University of California - Davis

Davis, CA

B.A.Sc. in Computer Science & Cinema and Digital Media | GPA 3.67/4.0

Senior Capstone: Principal Gameplay Engineer of Multiplayer Unity Game

December 2024

- Relevant Coursework: Operating Systems, Machine Learning, Data Structure and Algorithm Design, Cryptography, Computer Architecture, Object Oriented Programming, Linear Algebra

## Technical Skills & Projects

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**Languages:** C, C#, C++, Javascript, Python, SQL, Dart, HTML/CSS.

**Frameworks & Libraries:** Express.js, Node.js, ASP.NET, Flutter, Mongoose, Tensorflow, Keras.

**Databases:** MongoDB, Firebase, MySQL.

**Tools & Platforms:** AWS (EC2, Elastic Beanstalk), Git, ServiceNow, Active Directory, Unity.

### DevLinks – RESTful Link Management API

*Node.js • Express • MongoDB • JWT • Postman*

- Built and deployed a secure REST API supporting user registration, login, and authenticated CRUD operations for personal link collections.
- Implemented JWT authentication, route protection, and password hashing to ensure user data isolation and session security.
- Added support for pagination, filtering, and validation using middleware and custom error handling.

### Fish Identifier CNN

*Python • Tensorflow • Keras • Pandas*

- Preprocessed and augmented a dataset of 10,000+ fish images across 9 species using TensorFlow and Keras to improve model generalization.
- Designed and trained convolutional neural networks (CNN) using dropout, normalization, and pooling.
- Compared model performance to ResNet-50 and VGG16, achieving 90% classification accuracy.

### Walking Talking Stick – Fullstack Blog Application

*Node.js • Express • MongoDB • AWS EC2 • AWS Elastic Beanstalk*

- Designed and built a full-featured blog platform with Express and MongoDB, supporting user authentication, CRUD operations, and RESTful routing.
- Deployed the application using AWS Elastic Beanstalk and managed server provisioning with EC2.
- Implemented secure user authentication, input validation, and error handling to protect user data and maintain system integrity with administrative permissions.

## Relevant Experience

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### Breaking Hits

Remote

*Software Engineer*

June 2025 - Current

- Contributed to the user onboarding development of a cross-platform Flutter app with 10,000+ downloads.
- Maintained backend integrations for 100+ artists with Firebase and SQL-based relational databases to support real-time data synchronization and analysis.
- Designed and implemented dynamic UI components and gamified features to increase user retention.

### UC Davis Letters and Science IT Department

Davis, CA

*IT Help Desk Analyst*

July 2023 - December 2024

- Provided technical support to 900+ faculty and staff in the L&S department faculty through ServiceNow
- Resolved technical issues across Windows and macOS systems, including software installation, hardware troubleshooting, and network diagnostics.
- Managed system imaging and user access provisioning using Microsoft Active Directory and enterprise deployment tools.