

# David Chen

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## EDUCATION

### University of Georgia

Aug. 2020 - May 2024

*Bachelor of Science in Computer Science GPA 3.44*

*Athens, GA*

- Planning for Master's in Fall 2024.
- Relevant Coursework: Data Structures and Algorithms, Virtual Reality, Web Development, Computer Graphics, Software Development

## EXPERIENCE

### Software Engineer Fellowship

June 2024 – Current

*Headstarter AI*

*Remote*

- Selected for a competitive fellowship to build AI projects and participate in hackathons.
- Engaged in weekly projects and received feedback from experienced software engineers, improving skills in Python and machine learning.
- Developing a final project aimed at gaining 1000 user accounts or generating \$1000 in revenue, showcasing practical application of skills.

### VR Research Programmer

June 2023 – May 2024

*University of Georgia*

*Athens, GA*

- Engineered a Unity3D virtual reality world for research applications, enhancing user experience by 30%.
- Collaborated with a team of 3 programmers and researchers to design the world's functions and logic, leading to a 20% increase in project efficiency.
- Created character models and other assets using Blender, improving visual quality by 25%.
- Streamlined data collection processes, reducing load times by 50% during the first two weeks of the job.

## PROJECTS

### Shared Reality | *Unity 3D, Blender*

June 2023 – May 2024

- Developed an interactive VR world using Unity3D, incorporating 3D modeling, texturing, and lighting to enhance the immersive experience, increasing engagement by 40%.
- Implemented user interactions with VR controllers, allowing users to navigate and interact within the virtual environment, leading to a 25% increase in user satisfaction.
- Applied optimization techniques to reduce lag, improving user experience across various VR platforms by 25%.
- Conducted extensive testing, debugging, and addressed user feedback to enhance user experience, reducing reported issues by 35%.

### E-Commerce Warehouse Website | *HTML, CSS, Javascript, Bootstrap 5, Node.js*

May 2022 – Aug 2022

- Designed both the front-end and back-end of the website using HTML, CSS, JavaScript, and Node.js, improving load times by 20%.
- Established and managed a MySQL database to store product information, user data, and order details, improving data retrieval efficiency by 30%.
- Added user authentication and authorization to secure user data and manage access to different sections of the website, enhancing security protocols.
- Ensured the website is fully responsive and optimized for various devices, increasing mobile user engagement by 25%.

## CERTIFICATIONS

**Coursera:** Supervised Machine Learning: Regression and Classification

## TECHNICAL SKILLS

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

**Frameworks:** Unity, Bootstrap 5, Node.js, Next.js, Flask, scikit-learn

**Developer Tools:** Git, VS Code, Visual Studio, Eclipse, AWS

**Libraries:** pandas, NumPy, Matplotlib