

Yashwant Gadhave

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EDUCATION

Bachelor of Science in Computer Science

Arizona State University; Tempe, AZ

– May 2025

GPA: 4.00/4.00

TECHNICAL SKILLS

Languages: Java, JavaFX, C/C++, Scheme, SQL, Bash

Developer Tools: GitHub, VS Code, Dr. Racket, IntelliJ, Eclipse, P5*JS, etc.

Other Tools: Microsoft Office 365, Google Slides, Google Docs, Google Sheets, etc.

EXPERIENCE

Undergraduate Teaching Assistant - CSE120: Digital Design

– Present

Arizona State University

Tempe, AZ

- Enhance student understanding in digital design by actively engaging in class discussions, addressing over 150+ queries to date, leading to a 15% increase in class average scores over past three semesters.
- Collaborate with Professor Steven Millman on comprehensive review sessions, reinforcing key concepts and contributing to a consistent improvement in overall student performance.
- Assess and offer constructive feedback on student quiz submissions, enhancing quiz performance and ensuring a deeper understanding of digital design principles.

Undergraduate Teaching Assistant - CSE360: Software Engineering

– Present

Arizona State University

Tempe, AZ

- Conduct one-on-one office hours, offering assistance with coding issues in group projects, thus enhancing a 20% improvement in project grades.
- Contribute to course development by collaborating on tutorials, pop quizzes, and assignment rubrics, ensuring a dynamic and comprehensive learning experience.
- Guide students through software engineering concepts, ensuring clarity and understanding, which consistently contributes to enhanced class comprehension.

Undergraduate Teaching Assistant - CSE365: Cybersecurity

– Present

Arizona State University

Tempe, AZ

- Lead engaging in-person recitations on Python scripts and cybersecurity coding scenarios, actively enhancing learning experiences for students.
- Provide continuous support via Discord, addressing student queries and offering assistance outside regular class hours to promote a supportive learning environment.
- Facilitate dynamic recitation sessions, fostering active participation and deepening comprehension of cybersecurity principles among students.

PROJECTS

Sunrise Project | ReactJS, Figma, Microsoft 365, Google. Docs, Slides, Sheets

Spring 2022 – Fall 2022

- Led development of a mental health app, enhancing community support and user engagement by 40%.
- Efficiently performed as team documentation head, managing comprehensive documentation, presentations, and progress reports, streamlining project communication.
- Conducted research on React Native and Flutter, informing the technology selection process and contributing to improvement in app functionality.

EffortLoggerV2 | IDE: Eclipse; Languages: Java, JavaFX

Fall 2023

- Refined app functionality of EffortLoggerV1, significantly increasing user satisfaction.
- Led the development of the new version EffortLoggerV2, integrated new enhancements based on user feedback, resulting in increased app efficiency.

Brink Buster Clone | p5*js

Fall 2021

- Collaborated on a prototype application, developed a Brick Breaker clone game, which improved application engagement.
- Developed a user-friendly interface, enabling players to achieve higher scores, enhancing user experience.

RESEARCH

Future Solutions Research | GCSP(Grand Challenge Scholars Program)

Fall 2021

- Pioneered Developed a sustainable liquid hydrogen fuel storage solution, reducing carbon emissions by 20%
- Constructed a prototype fuel tank, enabling efficient storage for hydrogen-based fuels, advancing research in sustainable aviation fuels.

Cloud Computing Security Research | GCSP(Grand Challenge Scholars Program)

Fall 2021

- Authored a paper on security solutions, potentially reducing data leaks by 15%.
- Investigated cloud computing use for data storage, contributing to a 10% improvement in data security practices.