

SUMMARY

Innovative Teaching Assistant with a 3.8 GPA (Masters and Bachelors Degree in Computer Science) seeking **Software Engineer, Entry-Level (Graduation: 2025)**, roles, United States

EDUCATION

M.S. in Computer Science

Expected May 2025

Arizona State University, Tempe, AZ

3.8 GPA

Skills: Distributed Storage, Scrum, Software Development, Distributed Systems, IT Automation, DevOps, network devices, goLang, Unit Testing, healthcare, Coaching, kotlin, excel, improve efficiency, highly motivated, service oriented, solve problems

EXPERIENCE

Arizona State University, Tempe, Arizona: Teaching Assistant (Software Engineer)

Aug 2023 to Present

- Led coding sessions, improving students' assignment completion rates by 15% and an increase in their understanding of key software engineering concepts, as measured by pre- and post-course assessments. Facilitated agile methodologies in course projects, with 95% of students implementing Scrum, Test Driven Development (TDD), Git version control, CMS
- Partnered with faculty to refine the curriculum, leading to a 10% increase in course enrolment and the successful integration of industry-relevant tools such as Continuous Integration and Continuous Deployment (CI/CD) pipelines, containerization, and cloud services, Linux, Unix, Go Lang, UI Stack, Docker, Terraform, Kubernetes, DBMS, RDBMS

RoundTechSquare, Bay Area, CA: Software Engineering Internship (Capstone Project)

Jan 2025 to May 2025

- Built a cloud-native inventory management system using React.js, Spring Boot, and Amazon Web Services (AWS) (S3, EC2, DynamoDB), reducing manual errors by 30%, skills like Problem solver, interpersonal skills, electrical engineering
- Automated CI/CD pipelines with Jenkins and GitHub Actions, achieving 98% code coverage and reducing deployment time by 95%, maintain customer service, code review, automation tools, Problem Solving and Technological Adaptability

Hiration Career Technologies, Delhi: Software Engineering Internship

Jun 2021 to Nov 2021

- Developed reusable React components using JSX, integrated with Next.js and Node.JS, improving server-side rendering performance by 20% for Natural Language Processing (NLP) models, data science (communicate effectively, scheduling)
- Managed source control with Git, facilitated project deployment on Vercel, and optimized component design using Figma and Unified Modeling Language (UML) tools, reducing design-to-deployment time by 25% (exercise sound judgment)
- Executed Exploratory Testing (white box) and JUnit5 (black box), achieving 95% code coverage with Java Code Coverage (JaCoCo) and maintaining software quality with a 99% DOI adherence rate (professionalism, Finance)

PROJECTS

Agile Realms, Class Project

Fall 2023

- Collaborated in a 5-member dynamic team, utilizing Java Swing and Gradle frameworks to develop UI. Initially managed legacy systems transitioning to Scrum methodology later for Web Development, solve complex problems (patience)
- Assumed the role of Scrum Master, overseeing project management duties utilizing TAIGA and JIRA, and maintaining the Sprint Backlog. Implemented Git for efficient version control and facilitated regular Sprint Retrospectives to optimize team performance and algorithm design, collaboration skill, workflow, sustainability, software design, Web Applications
- Utilized frameworks like MySQL and SQL for backend operations. Applied TDD and various testing methodologies for comprehensive application testing. Achieved 100% code coverage reports for the crucial components above 90%

Traffic Detection using Deep Learning, Research Project

Fall 2022

- Constructed an enhanced detection model utilizing YOLO and Sliding Windows Algorithm, achieving a 9.5% increase in efficiency in floating-point operations. Trained the model using the PASCAL VOC12 dataset, skilled in mathematics
- Authored 'Efficient Detection of Small and Complex Objects for Autonomous Driving Using Deep Learning', published in the IEEE's 'CSCITA' conference, with DOI: 10.1109/CSCITA55725.2023.10104969 (Open To Criticism)

SKILLS

Programming Languages & Frameworks: Java, C, C++, C#, Python, JavaScript (ES6+), Prolog, React.js, TensorFlow, HTML, Software Development Life Cycle, IoT, Spark, Data Modeling, iOS, R, Root Cause Analysis, Cookies, Selenium, Postgres, Groovy
Development Expertise: Microservices Architecture, Cloud-Native Application Development, Front-End Development, Data Structures & Algorithms, Rest API, Eclipse, Deep Learning Models, Agile Methodologies (Scrum), Git, GitHub, AWS (EC2, S3, ECS), Terraform, JUnit, Jenkins, Jira, Taiga.io, MATLAB, Cucumber, Jacoco Surefire, Expo, Vercel, Software Engineering, Software Development, Business Operations, Commitment, transaction management, data analytics, resource management, invent
Concepts & Methodologies: friendly, empathy, SQL, NoSQL, security, mentorship, consistent, level design, Debugging, Operating System, scalability, logistics, service oriented architecture, market conditions, object-oriented programming