

# Rhea Mane

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## EDUCATION

**B.S. Computer Science**, Arizona State University, Tempe, AZ

Dec 2024

- Graduated *Summa Cum Laude* with Honors and Cumulative GPA - **3.95**

**M.S. Computer Science**, Arizona State University, Tempe, AZ

Expected Dec 2025

## RELEVANT COURSEWORK

Data Structures and Algorithms, Software Engineering, Cybersecurity, Digital Design, Assembly Language Programming, Programming Languages, Object Oriented Programming, Theoretical Computer Science, Operating Systems, Database Management, Software QA and Testing, Foundations of Machine Learning, Data Science, Data Visualization.

## WORK EXPERIENCE

**Intern - Digital Service Center, Ricoh USA**, Tempe, AZ (Remote)

Aug 2024 - Dec 2024

- Optimized Agile processes across 4 projects, improving documentation, estimation techniques, and reporting for over 30 developers.
- Evaluated tools and methods, delivering insights on AI test case generators, Agile metrics, and BDD frameworks like Cucumber.
- Streamlined onboarding with Azure Wiki reorganization and supported sprint ceremonies across cross-functional teams.

**Technical Intern – Drive Insight LLC**, Tempe, AZ (Remote)

Sep 2024 - Nov 2024

- Developed a product dashboard website for the company's flagship product which provides driving insights, enhancing user engagement.
- Designed and implemented responsive UI/UX for the home and store pages using TypeScript, ReactJS, NextJS, and Tailwind CSS.

**Student IT Support Specialist, WP Carey Technology Strategy and Operations**, Tempe, AZ

Mar 2022 - Aug 2024

- Assisted over 500 faculty and staff members and students with general IT issues including classroom and remote support.
- Documented and solved over 300 technical issues by creating and resolving tickets on Salesforce and ServiceNow.
- Managed and mentored 5 new members by equipping them with essential skills and knowledge required to excel at the workplace.

## PROJECTS

**ASU Capstone Helpdesk – Issue Ticketing System**

- Managed a team of 5 to design and develop a ticketing system addressing student issues in the ASU Capstone program.
- Created UI prototypes with Figma and implemented a responsive frontend using ReactJS with PostgreSQL and for backend support.
- Applied Scrum methodologies, tracking progress and tasks using Taiga for efficient project management.

**OneGen for OneDrug Inc. – Integrated Healthcare Web Application**

- Led a team of 10 students to develop a cross platform web health application for a healthcare company.
- Used ReactJS for the Frontend, which leveraging MongoDB and a NoSQL framework for the backend development in a NodeJS environment.
- Enhanced efficiency by implementing CI/CD pipelines, ensuring seamless integration and deployment, while maintaining thorough documentation.

**ToothHurty - Full Stack Application**

- Engineered ToothHurty, an integrated dental appointment scheduling platform for dentists to manage patient appointments systematically.
- Applied HTML and Tailwind CSS to construct the frontend and Supabase for the SQL based backend of the project.
- Created a REST API to facilitate functioning between the frontend and backend while using Node.js and Express concurrently.

**StudPals - Study Buddy Matching Web Application**

- Spearheaded development of StudPals, an innovative matching application facilitating student collaborations in studying.
- Designed a sophisticated Study Buddy Matching algorithm leveraging Python and Flask frameworks.
- Implemented interactive frontend using HTML, CSS and Bootstrap to provide an engaging user experience.
- Demonstrated project at the SunHacks Hackathon, showcasing app's innovative concept and execution.

**Effort Logger - Productivity Managing Web Application**

- Developed an application which records tasks completed by professionals to manage time efficiently and monitor productivity.
- Used the CI/CD pipeline and the Agile methodology to reinforce stakeholder requirements and implemented changes using Java and Java FX.
- Maintained steady documentation using project management tools like Jira.

## RESEARCH

**A Practical Application of Culturally Relevant Pedagogy in Computer Science - Barrett Honors Thesis**

- Conducted comprehensive research about culturally relevant STEM education and formulated a practical application of it.
- Surveyed over 500 students taking a CSE class and analyzed the data to hypothesize the need for a culturally responsive curriculum.
- Presented findings and research at a public thesis defense and published thesis paper.

**Modeling Misinformation - Barrett Honors Fellows Research Program**

- Collaborated with a research lab studying misinformation in data of COVID-19 fatalities in Arizona.
- Collected twitter data using Tweepy, a Python library and consolidated it using SQL. Also presented findings to research directors.

## AWARDS

**Women in Computer Science Annual Coding Competition – 7<sup>th</sup> Position Winner 2024.**

**Women in Computer Science Annual Coding Competition - Top Female Team Winner 2022**

- Used analytical and technical skills at a competitive programming event to solve programming problems efficiently.

**Sun Hacks Hackathon at Arizona State University - Winner for the Best Domain Name 2023**

- Developed and presented StudPals, a study-buddy matching application.

## SKILLS

- **Programming Languages:** Java, C++, C, Python, JavaScript, Html5, CSS3, Bash, SQL, Typescript, R, Scala
- **Data Processing and Management:** Hive, Spark, Data Aggregation, Data Mining, Statistical Modeling,
- **Machine Learning:** TensorFlow, Scikit-learn, NumPy, Jupyter Notebooks, Predictive Modeling, Pandas
- **Microsoft Office:** Word, PowerPoint, Excel, Teams, Outlook
- **Database Management:** MongoDB, Mongoose, PostgreSQL, MySQL, Relational Databases, NoSQL
- **Project Management:** JIRA, Confluence, Trello, Taiga, Slack, Agile, Scrum, Azure DevOps, Salesforce
- **Software Tools/Technologies :** GitHub, REST APIs, Selenium, Tailwind CSS, d3.js, Flask, NextJS, React, Node.JS, AWS, Docker, Google Cloud
- **Other Skills:** Communication, Problem Solving, Critical Thinking, Collaboration, Positive Attitude, Intellectual Curiosity, CI/CD