JERRY HE

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EDUCATION

University of Central Florida   **Expected May 2026**

Bachelor of Science, Computer Science | Burnett Honors College | GPA: 3.89   *Orlando, FL*

Awards/Honors: Gilman Scholarship, UCF Provost Scholarship, Bright Futures Scholarship (Full-Tuition)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C, Java, Dart, HTML/CSS
Libraries/Frameworks: React, Angular, TailwindCSS, Bootstrap, Flutter, NodeJS, AWS CDK, DynamoDB, IAM, API Gateway, Firebase, MySQL, MongoDB
Tools & Concepts: Git, VSCode, Android Studio, Jenkins, Unit Testing, Code Coverage, JUnit, Agile, SDLC, REST APIs, CI/CD

PROFESSIONAL EXPERIENCE

Amazon Web Services (AWS)   May 2025 - Aug 2025
Software Development Engineer (SDE) Intern   *Seattle, WA*
- Designed & deployed a distributed coordination service, cutting duplicate requisitions by 99% in a 50k+ annual transaction system.
- Engineered a serverless backend (TypeScript, AWS Lambda) achieving p99 below 150ms latency via DynamoDB optimization.
- Developed a React dashboard (Cloudscape) with server-side pagination and conflict resolution UI, using RTK Query for caching.
- Built a CI/CD pipeline with AWS CDK (IaC), achieving 95% code coverage (461+ Jest tests), ensuring code quality.

NSF REU - University of Central Florida   Jul 2024 - May 2025
Undergraduate Researcher - Mobile Developer   *Orlando, FL*
- Developed a Flutter-based mobile application to enhance coordination for disaster response teams, featuring real-time location tracking and integrated analytics to improve user outcomes.

GE Vernova (General Electric)   May 2024 - Aug 2024
Software Engineering Intern   *Greenville, SC*
- Increased telemetry data coverage by 40% by engineering new user interaction and performance data points, providing critical data for product usage analysis and improvement.
- Developed interactive data visualization dashboards using Angular and Python to provide stakeholders with real-time insights into user engagement and system performance.

Limbitless Solutions   Jan 2023 – Dec 2023
Software Engineering Intern   *Orlando, FL*
- Developed and open-sourced a Flutter project management board package, featuring drag-and-drop functionality and task filtering to streamline internal development workflows.

PROJECTS

CoHab - Full Stack Roommate Dashboard | *React, Tailwind CSS, MongoDB, ExpressJS, JavaScript, RESTful APIs*   GitHub
- Led front-end development for a roommate dashboard in **React**, implementing real-time task syncing with **Web Sockets** to improve roommate coordination and reduce missed tasks in user testing.

PlanPilot - Intelligent Scheduling App | *Flutter, Auth0 API, Firebase, Google Cloud APIs*   GitHub
- Led development of a Flutter app to generate personalized scheduling recommendations, optimizing user time management.
- Integrated Google Cloud APIs (Maps, Places, Calendar) using Auth0 for secure authentication, enabling PlanPilot to deliver personalized scheduling suggestions based on user location and preferences.

LEADERSHIP EXPERIENCE

Vice-President of External Affairs | *Society of Asian Scientists and Engineers (SASE)*   May 2024 - May 2025
- Grew professional and technical workshop offerings by **4x** and **11x** respectively, boosting attendance **12x** to **527** and enhancing member career readiness.
- Drove a **5x increase in industry engagement events**, connecting members with **15+ industry leaders**, facilitating interviews and job offers for members.
- Secured **$16,500** in corporate sponsorships and university funding, enabling record-breaking conference attendance, a **3x** increase.