

Jake Taylor

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EDUCATION

Bachelor of Science in Computer Science University of Texas at Austin	May 2021 Austin, TX
Associate's in Computer Science Austin Community College	May 2018 Austin, TX

WORK EXPERIENCE

Software Engineer Dell Technologies	Jul 2021 – Present Round Rock, TX
<ul style="list-style-type: none">Developed RESTful API with Python, FastAPI, and PostgreSQL, reducing data retrieval times by 50%Created a full-stack web application using React and Flask, driving a 30% increase in overall user engagementIntegrated GitHub for collaboration, boosting code quality by 35% and reducing review cycle times by 20%Deployed cloud solutions on Google Cloud, optimizing resource usage and cutting infrastructure costs by 25%	
IT Support Specialist University of Texas at Austin	Sep 2018 – Jun 2021 Austin, TX
<ul style="list-style-type: none">Managed 350+ computers across campus, reducing downtime by 40% through proactive maintenanceCollaborated on network security upgrades, leading to a 40% reduction in security-related incidentsTrained and onboarded 15 new IT support staff, increasing department efficiency and response times by 25%	
AI Research Assistant University of Texas at Austin	May 2019 – Aug 2019 Austin, TX
<ul style="list-style-type: none">Developed algorithms generating 1,000+ unique game levels, increasing engagement by 20% in playtestingEngineered and tested Java-based game simulations, achieving 90% accuracy in automated layout generationContributed 60K+ lines of code to a joint project, improving research efficiency by 30% through optimizations	

PROJECTS

RepoMetrics Python, Flask, React, PostgreSQL, Docker	Jun 2020 – Present
<ul style="list-style-type: none">Built a full-stack application with Flask and React, improving data processing speeds by 50% for all usersIntegrated GitHub OAuth for secure user authentication, supporting 500+ active users across multiple projectsDesigned interactive data visualizations, improving decision-making and collaboration insights by 40%Increased task handling efficiency by 30% using Celery and Redis for asynchronous background processing	
BattleArena Spigot API, Java, Maven, TravisCI, Git	May 2018 – May 2020
<ul style="list-style-type: none">Developed a Minecraft server plugin, achieving 3,000+ downloads and maintaining a 4.7/5 -star ratingApplied TravisCI for continuous integration, reducing deployment time by 35% and increasing update speedImproved user experience by 20% using feedback from 200+ server admins and rapid feature iterationsBoosted user retention by 25% through regular updates, enhancements, and community engagement	

TECHNICAL SKILLS

Languages | Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R

Frameworks | React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI

Developer Tools | Git, Docker, TravisCI, Google Cloud, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries | pandas, NumPy, Matplotlib