Preston L. Cook

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EDUCATION

The University of Texas at Austin – Austin, TX
Bachelor of Business Administration in Management Information Systems   **August 2021 - December 2024**
- Minors: Computer Science, Applied Statistical Modeling
- GPA: 3.72

EXPERIENCE

Software Development Engineer I | General Motors Financial – Arlington, TX   **February 2025 – Present**
- Engineer integration solutions as part of a $30M initiative to consolidate loan servicing applications, building middleware between Salesforce and .NET-based core systems to unify agent tools and reduce operational overhead.
- Develop and maintain .NET applications deployed on Azure through Azure DevOps (AZDO), ensuring high availability, performance, and scalability for mission-critical loan servicing operations.
- Lead API migrations and integrations between Salesforce, AWS services, and internal systems, streamlining data flow and improving system interoperability.

Information Technology Associate | The University of Texas System – Austin, TX   **June 2024 – December 2024**
- Provided IT support for end users, assisting with Windows, Mac, device troubleshooting, and Microsoft Office365 issues.
- Coordinated logistics for IT equipment setup, contributing to refresh projects and ensuring timely service for staff.

Teaching Assistant | The University of Texas at Austin – Austin, TX   **August 2022 - December 2023**
MIS 333K (C#/.NET), MIS 304 (Python), BAX 305 (Data Analytics)
- Collaborated with faculty to develop and refine programming assignments, examinations, and practice exercises, enhancing the learning experience for over 300 undergraduate students.
- Led exam review sessions and held weekly office hours, assisting with debugging and explaining programming concepts.
- Crafted comprehensive test cases and managed a semester-long web development competition for 37 undergraduate teams.

PROJECTS

UT Registration Plus – Longhorn Developers
- Co-developed UT Registration Plus, a popular Chrome extension with over 60,000 users, streamlining course registration.
- Allows students to view real-time class availability, professor ratings, and historical grade distributions within UT's registration interface, supporting informed course selection.

Velago – Freelance Work
- Designed and developed a referral platform for Austin-based healthcare clinics and charities with Next.js, enabling social workers to connect underserved Austin communities with relevant services.
- Built a responsive UI using Tailwind CSS and React, ensuring an intuitive experience for users across all device types.
- Implemented a scalable, serverless backend on AWS with PostgreSQL, facilitating authentication and secure service access.

Newswordy – HackMIT
- Developed a Django-based web application that uses IP geolocation to recommend personalized articles from over 150 sources, allowing users to browse predefined categories, search for relevant articles, and save articles to their profiles.

HONORS AND AWARDS

- MIS 333K Web Development Competition First Place Winner - $2,000   Spring 2023
- Award for Outstanding Student Engagement and Academic Achievement   Spring 2021

ADDITIONAL INFORMATION

Certifications: AWS Cloud Practitioner, Harvard CS50x, CS50p, CS50web, DeepLearning.Al Machine Learning Specialization.
Skills: JavaScript/TypeScript (React, Next), Python (Django/Flask), C# (.NET), SQL, Git, Azure, AWS, MongoDB, PostgreSQL.
Interests: Classic Literature, Political Philosophy, Theology, Weightlifting, Running, Table Tennis, and Billiards.
Work Eligibility: Eligible to work in the U.S. with no restrictions.