Kaelen Saythongkham

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EDUCATION

University of Texas at Austin, Bachelor of Science in Mathematics, 3.65/4.00 GPA   May 2022
- Certificates in Applied Statistical Modeling and Elements of Computing
- Coursework: Elements of Software Design, Elements of Data Science, Scientific & Technical Computing, Elements of Software Engineering I, Elements of Databases, Algorithms and Complexity (audit)
- Activities: Texas Convergent design lead, UT Microfarm field manager, Information and Systems Security Society, ACM, Mathematicians of Color Alliance of Texas undergraduate officer, Freetail Hackers tech team

EXPERIENCE

Microsoft, *Incoming Software Engineer*   Aug 2022 - Present

The University of Texas at Austin, *Student Technician*   Sept 2019 - May 2022
- Maintained and built classroom technology, including computers and AV systems
- Adapted to urgent technical problems and responded quickly and effectively

PyNets, *Research Assistant*   Sept 2020 - Aug 2021
- Applied tests using PyTest on assorted python files to ensure they are working properly and up to date
- Refined and wrote unit tests according to the necessary output

H-E-B, *Software Engineering Intern*   May 2021 - July 2021
- Worked alongside the AWS SSO team to refine and automate CI/CD pipelines to reduce noise
- Enhanced Python tooling to adjust pipeline output and match unit tests for SSO user output
- Used Docker, AWS, and OneLogin to create a reusable front-end flask app auth-walled by SSO

PROJECTS

Tweet-whiz, *Developer* | React, Python   Jan 2021 - May 2021
- Planned and developed webapp for generating and searching various twitter analytics

TechSave, *Front End Developer* | React, Flask   Jan 2021 - May 2021
- Designed and created entire frontend that scans software bill of materials of medical devices and looks for vulnerabilities to notify user

autoClips, *Front End Developer* | React, Python   Aug 2020 - Dec 2020
- Built and refined the frontend of a machine learning model to generate highlights of a sports game

HONORS AND AWARDS

Presidential Scholars   Aug 2018

ChewyHacks 2nd Prize   Jan 2022

TECHNICAL SKILLS

Software   Java, HTML, CSS/SASS, Javascript/Typescript, Python, R, SQL, Shell, C, C++

Technologies   Git, React, Node.js, Firebase, Flask, AWS, Docker, Kubernetes