

Kaelen Saythongkham

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EDUCATION

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- 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

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- The University of Texas at Austin**, *Student Technician* Sept 2019 - Present
- 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
- Project SEED**, *English Office RA* Jan 2019 - June 2019
- Refined and regulated a complete training schedule by communicating with 100 other research assistants
 - Communicated changes to the project manager by issuing emails every day at 9pm

PROJECTS

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- 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

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- Presidential Scholars Aug 2018
- ChewyHacks 2nd Prize Jan 2022

TECHNICAL SKILLS

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| Software | Java, HTML, CSS/SASS, Javascript/Typescript, Python, R, SQL, Shell, C, C++ |
| Technologies | Git, React, Node.js, Firebase, Flask, AWS, Docker, Kubernetes |