BRIAN KIM

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EDUCATION

The University of Texas at Austin – *Austin, TX* *August 2019 – May 2025*

Integrated BSECE / MSE, Software Engineering and Systems *3.73 Undergraduate GPA*

Skills: Python, Java, Linux, React, C/C++, Machine Learning, SQL, Agile, AutoCad, KiCad

Courses: Convex Optimization, Probability & Stochastic Processes, Data Science Principles & Lab, Operating Systems

WORK EXPERIENCE

Graduate Research Assistant – *The University of Texas at Austin* *September 2023 – Present*

- Conducting research under Dr. Suzanne Barber on the PrivacyCheck project.
- Continuing prior Senior Design Capstone project work and aiding the current Senior Design team.

Graduate Assistant – *The University of Texas at Austin* *September 2023 – December 2023*

- Graded assignments for graduate Information Security and Privacy course.
- Provided feedback and guidance on the course semester project.

Cybersecurity Intern – *USAA (San Antonio, TX)* *May 2023 – August 2023*

- Developed code for Internal Fraud Management team to help meet Detica retirement goal.
- Learned SAS and Detica programming languages to migrate 8 rulesets.
- Reduced false positive volumes and refined matching algorithms for enhanced accuracy.
- Actively participated in Agile sprints and iteration planning meetings.

Undergraduate Teaching Assistant – *The University of Texas at Austin* *September 2022 – December 2022*

- Helped proctor exams and grade assignments and exams for undergraduate Software Testing course.
- Monitored and answered student questions on the online class Piazza forum.

Cybersecurity Intern – *USAA (San Antonio, TX)* *June 2022 – August 2022*

- Collaborated with the Internal Fraud Management team to refine risk assessment calculations.
- Assisted in translating risk assessment automation logic into code within the Archer tool.
- Leveraged available tools to support automation efforts and help save 1 FTEs worth of manual work.

PROJECTS

PrivacyCheck *September 2022 – April 2023*

- Honors Senior Design Capstone project under the mentorship of Dr. Suzanne Barber.
- Developed IoT device analysis feature demo allowing users to score their device's privacy.
- Implemented MACLookup API and SerpApi to discover device privacy policies through web search.

MuSentiment *October 2021*

- Placed 2nd for the 2021 TAMU Datathon Data Synthesis Challenge.
- Utilized Spotify API, Genius API, and NLTK sentiment analysis on lyrics web scraped with Python

Custom Mechanical Keyboard *March 2021 – August 2022*

- Self-taught AutoCAD to create custom stacked acrylic mechanical keyboard case for personal project
- Designed custom PCB using KiCad and ordered 2 batches of prototypes through JLCPCB