KEVIN M. LEE

Full-Stack / Backend Software | Data Engineer
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SUMMARY / OBJECTIVE

Master's in Computer Science candidate skilled in Python data analytics with web development using JSX, React, and Tailwind, seeking a Software Developer or Data Engineer role to apply and enhance my expertise.

EXPERIENCE

- **International Public Safety Data Institute**   *07/2023 - Present*
Full-Stack Software Developer (Part-Time)   Austin, TX (Remote)

  – *Technologies: TypeScript, AWS (Lambda, S3, ECS), Kubernetes, Grafana, RabbitMQ, Sentry*
  – Non-profit organization dedicated to data-driven research for improvement on operational performance
  – Developed data pipelines to normalize incoming fire department dispatch data for integration
  – Debugged and optimized normalizer performance for NFORS Analytics platform

- **Samsung Austin Semiconductor, LLC.**   *06/2018 - Present*
CVD - Chemical Vapor Deposition Department   Austin, TX

  Process Engineer II   *07/2020 - Present*

  – *Technologies: Big Data, FastAPI, Python, Streamlit, VBA*
  – Co-established Data Solutions subteam in department - tailored to automation of mundane tasks
  – Developed FastAPI Jarvis functions to streamline floor technicians job duties
  – Built Big Data cloud dashboards for efficient process monitoring, reducing TAT for decision making
  – Reduced cost material usage by $400,000 per year using residual gas analysis of process cleans
  – Increased wafers per hour throughput of process fleet with optimization of process deposition recipes
  – Ensured rapid tool deployment for fast-expansion production ramps to meet customer demands

  Lead Shift Engineer II   *06/2018 - 07/2020*

  – *Technologies: Batch Scripting, VBA*
  – Created VBA macro scripts for alert tracking and response to aid engineers saving 3 man-hours per day
  – Deployed batch file system to enhance shift hand-offs and reduce time waste on seeking essential documentation
  – Mentored and trained new employees in system expertise and analytical skills to meet production demands

PERSONAL PROJECTS

- **ClearView Vision**   *04/2023 - 08/2023*
Deployed at https://clearviewatx.com

  – *Technologies: React JS, JSX, TailwindCSS, Figma, GitHub Pages, DNS Reroute*
  – Development and deployment of a website for a new optometrist business owner in Austin, TX
  – Led a team comprising of another Developer and a UX/UI Designer
  – Conceptualized wireframe using Excalidraw, generated preliminary drafts, and culminated final design with Figma
  – Co-developed all components and features using React JS hooks for functionality

EDUCATION

- **Master of Science in Computer Science (Machine Learning)**   *01/2022 - 06/2025*
Georgia Institute of Technology   GPA: 4.00 / 4.00
Machine Learning Specialization

- **Bachelor of Science in Mechanical Engineering**   *08/2015 - 05/2018*
The University of Texas at Austin   GPA: 3.83 / 4.00
Business Foundations Certificate Program

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, C#
Web Technologies: HTML, CSS, JavaScript, React JS, TailwindCSS, JSX
Tools & Utilities: AWS (S3, Lambda, ECS), GIT, LaTeX, Grafana, RabbitMQ, Sentry, Docker, Kubernetes, Figma
Frameworks: Flask, Django