

## EDUCATION

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### University of Houston

*Planned: Master of Science in Computer Science*

Houston, TX

*May 2027*

*Bachelor of Science in Computer Science, Minor in Mathematics*

*Aug. 2021 – May 2025*

- **Grades:** 3.77 GPA
- **Relevant Coursework:** Machine Learning & Statistical Analysis, Artificial Intelligence, Data Science I & II, Algorithms & Data Structures, Database Systems, Software Design & Development, Parallel Computing on GPUs, Digital Image Processing

## EXPERIENCE

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### Integration Developer Intern

May 2025 – Present

*Oceaneering*

*Houston, TX*

- Developed data integration processes using Boomi platform to automate internal business workflows.
- Designed and tested API integrations using authentication methods such as API keys, Basic Auth, and JWTs.
- Worked with SQL databases to implement logic for routing, transforming, and validating structured document data within integration workflows.
- Designed a Power BI dashboard to surface Boomi error logs and trends, empowering the team to spot and resolve issues more efficiently.

### Co-Founder

Dec. 2019 – May 2025

*McDILS*

*Houston, TX*

- Scaled an ecommerce brand that fulfilled over 80,000 customer orders across Amazon, Walmart, and Wayfair.
- Conducted A/B testing and data analysis to optimize product listings, improving conversion rates and lowering customer acquisition costs.
- Automated the request review workflow process, improving feedback quality and reducing manual effort.
- Leveraged competitive market analysis to diversify revenue streams, boosting profit margins by 18%.

### Software Development Intern

June 2022 – Aug. 2022

*Soft Boost*

*Houston, TX*

- Collaborated with teams of Web Developers, UI/UX Designers, and Product Managers to deliver web-based solutions using Python and Django.
- Contributed to backend development by implementing RESTful APIs and optimizing database queries, enhancing system performance by 20%.
- Shadowed a Product Manager, gaining hands-on experience in product lifecycle management, roadmap planning, and prioritizing features based on user feedback.
- Participated in Agile ceremonies, including daily stand-ups, sprint planning, and retrospectives, gaining practical experience in iterative development processes.

## PROJECTS

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### Machine Learning Sales Forecasting Tool | *FastAPI, Scikit-learn, Pandas*

2025

- Forecasted product demand with ML models, enhancing inventory planning and reducing stockouts.
- Implemented a FastAPI backend to serve demand predictions and visualized sales trends for data-driven insights.
- Created an interactive Power BI dashboard to present next-week demand forecasts and key KPIs.

### Skin Cancer Detection with Deep Learning | *TensorFlow, Keras, Scikit-learn*

2024

- Co-authored a research paper on deep learning-based skin cancer detection using the ISIC dataset.
- Built CNN models and applied transfer learning using TensorFlow and Keras for skin cancer detection.
- Applied data augmentation, oversampling techniques, and evaluated performance using confusion matrices and classification reports.

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, SQL, JavaScript, HTML/CSS, R, Swift

**Frameworks & Libraries:** FastAPI, TensorFlow, Keras, Scikit-learn, Pandas, Express.js, Pydantic, Alembic, Pytest

**Developer Tools:** Boomi, CUDA, MongoDB, PostgreSQL, Microsoft SQL Server, Power BI, Git, GitHub