Nicholas Battin

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Education

Texas A&M University Expected Graduation: December 2025
Bachelor of Science in Computer Science *Current GPA: 3.9/4.0*
Texas Academy of Mathematics and Science (TAMS) (Early College Program) May 2023
GPA: 3.83/4.0

Relevant Coursework

Courses: Data Structures and Algorithms(C++), Engineering Computation (Python), Statistics (R), Machine Learning (Python), Intro to Software Engineering, Computer Organization
Awards: 1st Place Winner of Texas Academy of Mathematics and Science hackTAMS Hack-a-thon, 2nd Place Winner of TAMIDS Annual Data Science Competition

Skills

Languages: C/C++, Python, R, HTML/CSS, LaTeX, Javascript
Tools: Git/GitHub, VS Code, Anaconda, Jupyter Notebook, Excel
Libraries: pandas, NumPy, Matplotlib, PyTorch, Scikit-learn

Work Experience

Student Technician July 2024 - Current

- Started position as a student technician with the TechHub team at Texas A&M's West Campus Data Center
- Conducted tests for various tech products and deliver to university departments
- Managed pricing and inventory using Inflow and BigCommerce
- Assisted in on-boarding while generating over $100,000 for the university

Projects & Research

Sea Level Rise Project | *Python, Git/Github, Plotly, R* March 2024 - April 2024

- Collaborated on a data science/ML competition hosted by TAMU Institute of Data Science to predict potential hazard on small businesses across the New York Coast as a result of Sea Level Rise
- Used Python to visualize average sea level rise along the US East Coast, along with Python's respective libraries
- Assisted in creating geographical plots with Plotly and R to visualize elevation levels of the New York Coast
- Produced results showing a potential increase of 10mm increase by 2030 in several New York counties, possibly affecting over 1.4 million small businesses

Biochemistry Research | *Excel* May 2022 – August 2022

- Worked alongside Professor Douglas Root to conduct experiments on Troponin T's calcium affinity
- Collaborated on various processes involving titrations, fluorescent scans, and data collection
- Organized and analysed data collected from experiments using Excel
- Achieved early results showing Troponin T's effect on calcium affinity is not statistically significant

Volunteering

Intellichoice | *Volunteer* September 2021 - December 2022
Tutored K-12 students through Zoom, achieved a 10% increase on student's scores

TAMS Gardening Club | *Committee Head* August 2022 - May 2023
Co-led a gardening club and created a community garden for TAMS

Outreach Coordinator | *Committee Head* August 2022 - May 2023
Outreached the TAMS program to disadvantaged communities in North and West Texas