

ERIK NORDBY

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Education

Georgia Institute of Technology, Remote

Expected Conferral: March 2025

Masters of Science in Computer Science

University of Pittsburgh, Pittsburgh, PA

Conferred: April 2022

Bachelor of Science in Computer Science

3.626 GPA

Bachelor of Science in Mathematics and Economics

Relevant Coursework

Machine Learning: Introduction to Machine Learning; Applied Artificial Intelligence; Introduction to Deep Learning

Mathematics: Linear Algebra; Ordinary Differential Equations; Introduction to Theoretical Mathematics; Calculus 1, 2, and 3;

Statistics: Applied Econometrics; Introduction to Mathematical Statistics; Time Series Analysis

Computer Science: Discrete Structures for Computer Science; Data Structures; Algorithm Implementation

Relevant Experience

UPMC, Pittsburgh, Pennsylvania

System Analyst - Information Technology Rotational Program

January 2022-Present

Enterprise Development Services Team

- Developed and deployed web applications for research labs to advertise their services
- Maintained services for migration and consolidation of patient data

Network Security Team

- Created tools with Python and JavaScript to automate common tasks and monitor resources from vendors
- Standardized development processes to improve software engineering practices
- Deployed and modified network security resources such as VPNs and firewalls

Architecture, Integrated Security, and Cloud Technologies Management Team

- Automated deployment and maintenance of computational resources in cloud infrastructure
- Migrated scripts and applications from on-premises into cloud environment

Identity Management System Team

- Developed backend processes with C# to ensure synchronization of identity management with vendors
- Oversaw development during work cycles to ensure adherence to development and testing standards

UPS - Advanced Technology Group, Atlanta, GA

Advanced Analytics Intern

May-August 2021

- Implemented algorithms based on current academic papers to extract and utilize geospatial data
- Developed and deployed applications for internal users to leverage algorithms
- Implemented frameworks and tools to allow for faster development and deployment of models and applications

Biomotivate, Pittsburgh PA

Data Science Intern

February-May 2021

- Performed data preprocessing and cleaning on data collected from wearable devices
- Reviewed research articles for processing wearable device data

UPS - Customer Solutions Group, Remote

Customer Solutions Intern

May-August 2020

- Developed proof-of-concept application to identify problematic shipments of temperature sensitive goods

MSA, Pittsburgh, PA

Business Analyst I Intern

May-August 2019

- Developed and tested statistical models to inform business decisions using R and Python
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Relevant Community Service Experience

Incline Consulting Group, Pittsburgh PA

Member

April 2018-April 2021

- Coordinated with fellow students to provide pro-bono technological and business consulting for local non-profits
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Relevant Skills

Languages: Python, Java, C, C#, R, JavaScript, SQL, Assembly

Packages, Libraries, and Tools: pandas, Matplotlib, Plotly, Tensorflow, SciKit Learn

Math/Statistics: Linear Algebra, Differential Equations, Linear Regression