Eric Uehling

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TECHNICAL SKILLS

Front End | React, NextJS, Javascript, NodeJS, CSS
Back End | R, Java, C, C++, PostgreSQL, Python, MySQL, MATLAB
Testing/Deployment | AWS:EC2, AWS:ECS, Wildfly, JUnit, Jupyter
Developer Tools | TensorFlow, Git, npm, Pandas, PrimeFaces, Apache Spark

PROFESSIONAL EXPERIENCE

Software Engineer, Intern | Aecom   May 2023 - Aug 2023

Backend redesign for reviews module of legacy ecommerce microservices   Javascript | Node.js | Express | PostgreSQL | EC2

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Cloud Engineer, Researcher | Virginia Tech   Jan 2023 - May 2023

Course Credit Research with an active AWS EC2 server   OpenJDK | WildFly | IntelliJ | MySQL | PrimeFaces | AWS:EC2

- Designed and implemented cloud-based infrastructure and solutions in a secure and scalable environment.
- Managed and maintained cloud resources, including servers, storage, and databases.
- Developed and installed various apps onto AWS EC2 server for user use.

Data Engineer, Researcher | Virginia Tech and Blackbird Engineering   Sep 2022 - Dec 2023

Course Credit Research with drone data supplied by Blackbird Engineering   Python | TensorFlow | Jupyter | Apache Spark | Git | npm

- Contributed to database and algorithm design used for dividing sets of crop data into specific groups.
- Parsed through large data files derived from drones for analysis and modification in an efficient and memory driven way.
- Utilized machine learning and artificial intelligence to read geographic information data to determine if crops were ready for harvest.

EDUCATION

Virginia Polytechnic Institute and State University - Bachelors of Science, Computer Science, Option: Data-Centric Computing   2025
Virginia Polytechnic Institute and State University - Bachelors of Arts, Economics, Option: Managerial and Data Science   2025

PROJECTS

WordleBot (Java) - Java Object Oriented Program that can solve the game 'Wordle' in an algorithmic average of 3.421 guesses.   2021
LoanApplication (Javascript) - NodeJS program that parses a json database and CSV file to output updated user debt.   2022
GradeDistribution (C) - C program that reads in 39,000+ courses (from 2018-2023) to output the average gpa for each instructor.   2023

CERTIFICATIONS

AWS Cloud Certificate   2023
Data Science Certificate   2023