

# Eric Uehling

Alexandria, VA 22315 | (703) 919-1524 | uehlingeric@gmail.com

[www.linkedin.com/in/uehlingeric](https://www.linkedin.com/in/uehlingeric) | <https://github.com/uehlingeric>

## TECHNICAL SKILLS

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**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

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### 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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### Machine Learning Intern | Ora

Jan 2023 - May 2023

*Course Credit Internship*

Python | TensorFlow | Jupyter | Apache Spark | Git | npm

- Contributed to database and algorithm design used for dividing sets of fitness data into specific groups.
- Parsed through large data files derived from other frameworks for analysis and modification in an efficient and memory driven way.
- Utilized machine learning and artificial intelligence to cross-reference fitness data with nutrition data to determine if a specific workout plan and nutrition plan was a match.

### Cloud Engineer, Researcher | Virginia Tech

Aug 2022 - Dec 2022

*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.

## EDUCATION

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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

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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

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AWS Cloud Certificate 2023

Google Data Science Certificate 2023