

JACK NING

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EDUCATION

University of Virginia, Charlottesville, VA

GPA: 3.40/4.0

Bachelor of Arts in Computer Science & Financial Economics, May 2021

Relevant Coursework: Machine Learning, Intro to Cryptography, Artificial Intelligence, Cloud Computing, Database Systems, Algorithms, Computer Architecture, Theory of Computation, Empirical Finance, Econometric Methods, Corporate Finance

SKILLS

Docker, AWS, SQL, Python, Java, C++, ArcGIS, Latex, STATA, R, MATLAB, Microsoft Office Suite, React

RELEVANT PROJECTS

React Website (2021)

- Developed Website using React
- Ran Website on Linux Server
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Robot Dashboard (2021)

- Created Elasticsearch database containing robot work log and heartbeat data
- Used Retool Dashboard to Display information using SQL and Javascript queries
- Created python file to generate data

K-Nearest Neighbors (2021)

- Implemented k-nearest neighbors in python by using k-means clustering
- Trained KNN algorithm to classify numbers using the MNIST dataset
- Initialized centers with furthest first initialization

Yu-Gi-Oh Database (2020)

- Created database on Yu-Gi-Oh cards using MySQL
- Created website using php and connected it to MySQL server
- Allowed users to modify the database server by interacting with the website

Handwritten Equation Solver (2020)

- Created application that accepts handwritten mathematical expressions and calculates them
 - Used minimum spanning tree to partition expression
 - Used 2d geometric relationships to determine structure of the relationship
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EXPERIENCE

Information Systems Intern (May 2018 - August 2018)

United States Army Corps of Engineers (USACE), Washington D.C.

- Mapped out data centers, USACE office, and other places of interest using data in different formats to show how changing the path data travels would increase the internet speed
 - Developed an interactive story map in ArcGIS.
 - Developed a tutorial for how to use ArcGIS to do specific actions such as mapping points from addresses or longitude and latitude.
 - Interacted with clients, colleagues, and supervisors on progress of the project and made necessary changes to suit the client's needs.
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AWARDS AND ACTIVITIES

Dean's List

American Collegiate Rowing Association National Championship 2nd place in the Novice 8+ category 2018

Washington Post All-Met honorable mention for rowing 2017

UVA Rowing, 2017-2019.