

JACK NING

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EDUCATION

University of Virginia, Charlottesville, VA

Bachelor of Arts in Computer Science & Financial Economics, 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

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

EXPERIENCE

Robotics Hardware Engineer Intern (January 2022 – Present)

Built Robotics Inc., San Francisco

- Designed electrical wiring diagrams
- Traveled to jobsites to debug and troubleshoot hardware
- Fabricated wiring harness through the use of soldering, crimping, etc.
- Communicated with vendors and managed the inventory of system components

Information Systems Intern (May 2018 - August 2018)

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

- Mapped out places of interest using ArcGIS
 - Developed an interactive story map in ArcGIS.
 - Interacted with clients and colleagues and made necessary changes to suit the client's needs.
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RELEVANT PROJECTS

React Website (Fall 2021) – jackjning.com

- Developed Website using React
- Connected custom domain jackjning.com to github repository
- Allowed users to login using a google account credentials

Robot Dashboard (Summer 2021)

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

K-Nearest Neighbors (Spring 2021)

- Implemented k-nearest neighbors in python by using k-means clustering
- Trained KNN algorithm to classify numbers using the MNIST dataset

Yu-Gi-Oh Database (Fall 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 (Spring 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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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.