JACOB D. MEN

Chicago, IL | 312-754-8263 | men5@illinois.edu | http://www.linkedin.com/in/jacob-men

EDUCATION

University of Illinois at Urbana-Champaign   **May 2022**
Bachelor of Science in Math & Computer Science   GPA: 3.92 / 4.00
Minor in Applied Statistics

WORK EXPERIENCE

Tesla   **May 2020–August 2020**
Controls Programming Intern   Fremont, CA & Elgin, IL
- Programmed a test stand to simulate various programming issues in a mini assembly line to be used when evaluating future candidates for similar roles using Ladder Logic
- Implemented an alarm and safety system for an assembly line allowing for fast responses to malfunctions and automatic stops for errors using Ladder Logic
- Designed a responsive UI for tracking wireless hardware connectivity issues resulting in quick feedback and easy debugging using HTML, CSS, Python, and SQL

PROJECTS

CUBE Consulting Client Website   **January 2020-May 2020**
- Rewrote client's internal website for managing customer data to be more user friendly with a modern interface using HTML and CSS resulting in less user mistakes
- Ensured website was useable on all devices and screen sizes

Renaissance Image Style Transfer   **August 2019-May 2020**
- Wrote network architecture for a generative adversarial network, including the generator and discriminator, using PyTorch
- Analyzed and filtered WikiArt dataset to only allow for renaissance style images to be included in training using Python, Jupyter Notebooks, and Pandas

Team Up   **September 2019-December 2019**
- Created backend framework for web app using Python and Flask, allowing for a dynamic interface that updated for users instantly
- Designed and hosted a SQL database on AWS to hold user and project information that allowed for immediate communication with web app

TECHNICAL SKILLS

Languages: Java, C++, Python, Ladder Logic, HTML, CSS, JavaScript
Technologies: Flask, SQL, Pandas, Jupyter Notebooks, PyTorch, AWS (RDS, EC2)

EXTRACURRICULARS

Champaign Urbana Business & Engineering (CUBE) Consulting   **September 2019-Present**
Director of Project Acquisition
- Recruited and created project scopes for future clients
- Planned and ran a project management workshop

Consultant
- Conducted market research to help local startup know its viability in entering new market

Software Design Studio (CS 126) Course Assistant   **May 2020-Present**
- Ran a weekly code review session to give students feedback on style, readability, and organization
- Designed and wrote documentation for an assignment to be given to students