Nile Jones

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EDUCATION

CORNELL UNIVERSITY
Bachelor of Arts
Graduated Aug. 2020 | Ithaca, NY
Major: Mathematics
Major: Physics
Major: Chemistry

CERTIFICATIONS

CODECADEMY PRO
Learn HTML • Learn CSS
Learn Javascript • Learn React
Learn Node.js • Learn Express
Learn Asynchronous JS
Building Interactive JS Websites

LINKS

Website:// nilejones.me
Github:// jonesy346
LinkedIn:// jonesy346

COURSEWORK

COMPUTER SCIENCE/LOGIC
Introduction to Python
Introduction to Real Analysis
Complex Analysis
Linear Algebra

MODELING
Diff. Eq. & Dynamical Systems
Applications of Quantum Mechanics
Honors Physical Chemistry

SKILLS

PROGRAMMING
Proficient with:
Python 3 • Javascript (ES6) • React
Node.js • MongoDB • HTML5
CSS3 • Git
Familiar with:
Java • Mathematica • TensorFlow

SOFT SKILLS
Leadership • Communication
Creativity • Work Ethic
Interpersonal Skills

TECHNICAL PROJECTS

GROUP MESSAGING CHAT APP | Website, Github
Spring 2021 | Los Angeles, CA
- Built VanillaJS application that utilizes Socket.IO to host chat rooms in which users can send real-time messages to each other.
- Chat messages are stored in MongoDB to be accessed later by users even if they leave the room.

ECOMMERCE APP | Website, Github
Spring 2021 | Los Angeles, CA
- Built VanillaJS application that features an assorted product list, editable shopping cart, and checkout button.
- Utilizes the Stripe Checkout API to manage checkout functionality, specifically payment information and verification.

THIRD PARTY API WEB APP | Website, Github
Spring 2021 | Los Angeles, CA
- Built a React application that allows users to search the Spotify library, create a custom playlist, and then save the playlist to their Spotify accounts. (Requires having a Spotify account for playlists to be saved.)

RESEARCH

SICKLE CELL DETECTION USING DEEP LEARNING
Summer Intern; P.I.: Dr. John Higgins
Jun. - Aug. 2020 | Harvard University - Cambridge, Massachusetts
- Utilized dense neural networks (Python/TensorFlow) to classify sickle cells based on RGB image analysis; on a sample of 10,000+ images, a neural network was created and trained to classify >97% of cells correctly.

LEADERSHIP EXPERIENCE

ARTS & SCIENCES AMBASSADORS | Co-President/E-Board
Jan. 2019 – May 2020 | Cornell University
- Interviewed, selected, and trained the next class of ambassadors and faces of College of Arts & Sciences (managing roughly 150 applicants each semester).
- Represented Cornell at info sessions by speaking about my experiences to prospective students and families. Audiences ranged up to 200 people.

CORNELL SURGICAL SOCIETY | Co-Vice President/E-Board
Jan. 2019 – May 2020 | Cornell University
- Communicated and coordinated with other organizations regarding co-sponsorship of events (both our events or theirs).
- Assisted organization members with learning suture techniques when needed.

BETA THETA PI FRATERNITY | Philanthropy Chair
Aug. 2018 – Aug. 2019 | Cornell University
- Coordinated, scheduled, and communicated all philanthropy events and volunteering opportunities to members of my fraternity. Managed transportation of members to and from events.