

Justice Bright

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EDUCATION

Central Michigan University, College of Science and Engineering, Mount Pleasant, MI
Bachelor of Science, Computer Science & Biochemistry

December 2022

EXPERIENCE

Organic Chemistry Research Lab, CMU, Mount Pleasant, MI

January 2020 to Present

Research Lab Assistant

- Engaged in the synthesis of compounds capable of functioning as vasodilators for individuals with atherosclerosis and other vascular disease. Performed multiple organic techniques to transform amino acids into controlled nitric oxide donating molecules.
- Demonstrated and taught techniques to students who have recently joined the lab.

Future Healthcare Practitioners Cohort, Mount Pleasant, MI

August 2019 to Present

Club President & Peer Mentor

- Coordinate meetings and present information to aspiring pre-health student regarding actions that could currently be taken to prepare for medical school.
- Served as a mentor for pre-medical underclassman to assist them in strengthening their medical school applications.

Health Career Pipeline Program, Mount Pleasant, MI

August 2020 to May 2021

Student Mentor

- Assisted high school freshman in exploring various careers within the healthcare field.
- Individually conducted meetings with mentees to discuss and set personal goals.

Science & Engineering Residential College Tutor, Mount Pleasant, MI

August 2020 to May 2021

Student Tutor

- Provided supplemental information and reviewed lecture material for students who requested help in Chemistry, Biology, Math, and Physics.
- Guided students through homework and practice exams to solidify their understanding of the material.

PROJECTS

Virtual Prep Casino (Java, JavaFX, PostgreSQL)

Source code: <https://github.com/jb716/Virtual-Casino->

- Developed fully function Virtual Casino for optimizing gambling strategies.
- Features Tables Games (BlackJack, Roulette and Poker), a Slot Machine, and a balance tracking system.
- Developed tracking system for players statistics used to analyze betting strategies.

Street Clothing Brand Online Store (ReactJS, Node.js, Express.js, and MongoDB)

Source code: <https://github.com/jb716/VulgarTG>

- Developing an E-commerce website to Display items and process sales for Vulgar brand.
- Designed RESTful backend enabling orders and costumer information to be stored in online database.

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript/HTML/CSS, C
- Frameworks Libraries and Databases: ReactJS, Node.js, JavaFX, Swing, Express.js, MongoDB, PostgreSQL