Michael Bouvette

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EDUCATION

INDIANA UNIVERSITY

BS in Computer Science
BS in Mathematics
Graduated May 2021 | Bloomington, IN
Honors: Executive Dean's List '18, '20, '21
GPA: 3.72 / 4.0

SKILLS

TECHNICAL SKILLS

Proffícent With:
Python 3 • Java • Go • C • JavaScript (ES6)
Spring • React/Redux • SQL • Kotlin • R • Agile

SOFT SKILLS

Strong:
Leadership • Initiative • Focus • Resourcefulness
Tenacity • Team-Oriented Mindset • Dedication

LINKS

Github:// **bouvettem17**
LinkedIn:// **michaelbouvette**
Personal:// **michaelbouvettedev**

STUDENT INVOLVEMENT

Undergraduate Instructor
Mathematics of Cybersecurity, Brief Survey of Calculus

- Taught in weekly laboratories and office hours
- Graded student assignments and exams

Hutton Honors Council Association
President

- Lead a group of twelve honors students in creating events for students
- Advised the Honors College on what was best for the students

Wakeboard and Waterski Team
Team Member

- Scheduled team events and activities for a group of 140 students
- Practiced and competed in wakeboarding tournaments across the Midwest

Professional Fortnite Player

- Ranked top 500 out of over 300 million players
- Streamed gameplay daily to ~300 people

WORK EXPERIENCE

CREDERA | Software Engineer

Jul 2021 - Present | Denver, CO

- Currently working as an Android mobile developer on a large scale project for NRG, the third largest energy provider in the US.
- Developed an online marketing platform to be used by Honda and Acura Dealerships across the US.
- Full Stack Developer - Designed, developed and integrated software with tests utilizing React and Spring Boot.

UNIVERSITY OF HOUSTON | Research Intern (REU)

June 2020 – Aug 2020 | Houston, TX (Remote)

- Conducted Research on autonomous car driving within the Computational Physiology Lab.
- Wrote an algorithm to smooth acceleration curves in autonomous cars to lower stress levels of driver.
- Awarded a top 3 position within the program for research.

BLOOMINGTON TUTORS | Calculus and Computer Science Tutor

Aug 2019 – May 2021 | Bloomington, IN

- Hosted individual tutoring sessions multiple times each week for introductory calculus and computer science courses.
- Provided internet sessions through Zoom to answer quick student questions and provide quick answers and explanations.

TECHNICAL PROJECTS

SPOTIFY STORIES | Website, Github

Current Project | Denver, CO

- Working on a webapp that utilizes Spotify's API, React, and Go to let users learn about their listening habits.
- Website currently shows top tracks listened to for the last month, six months, and since account creation.
- Future functionality will display stats about the music a user listens to using story-telling displays and animations.
- Will implement a back-end using Go which will store store users' data to show them how their listening habits are changing over time.

MANAGING ACCELEROPHOBIA IN EMPATHETIC CARS | Github

June 2020 – Aug 2020 | Houston, TX

- Worked alongside professor Ioannis Pavlidis and masters student Huynh Tung.
- Implemented a solution in Python3 which used linear interpolation to lessen the acceleration impact on the drivers based on when their stress levels exceeded a certain threshold.
- Awarded third best research project of the summer, voted on by the professors taking part in the research program.