



CHARLENE CREIGHTON

COMPUTER SCIENCE

Profile

I am an accomplished student of computer science with proficiency in full stack software development to enhance operating systems and program platforms through creative solutions and removal of technical obstacles.

TECHNICAL EXPERIENCE

WEB DESIGN, TESTING, AND DATABASE INTEGRATION

- Designed website in Html and CSS and connected MySQL based database server to web user interface using TypeScript and Angular framework.
- Used agile methodologies and continuous code integration to deliver code to collaborative GitHub repository efficiently.

PROGRAMMING LANGUAGES

- Developing programs in Java, C++, and C using object-oriented methodologies, data structures, and efficient algorithms. Medium to high proficiency achieved

CREATIVE DESIGN AND ANIMATION

- Using Adobe Premiere Pro software to create video editing projects, including sports highlight reels and timeline reviews
- Basic Animation of 3D objects in Processing and Java



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Haverhill, FL

EDUCATION

UNIVERSITY OF FLORIDA

Computer Science

August 2021 - May 2024

3.88/4 GPA

UNIVERSITY OF CENTRAL FLORIDA

Computer Science

August 2020 - July 2021

4.0/4 GPA

SKILLS

- Software Development
- Technical Analysis
- Creative/ Animation Design
- Critical Thinking
- Strong Communication
- Agile Methodology Continuous
- code integration Website
- Design
- Video creation and editing
- Leadership
- Project Management
- Front and Back End Coding
- Software Engineering Research



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RELEVANT EDUCATIONAL EXPERIENCE

INTRO TO SOFTWARE ENGINEERING

- Building front-end to back-end web applications using Angular

DATA STRUCTURES AND ALGORITHMS

- Writing efficient programs utilizing algorithm optimization

PROFESSIONAL COMMUNICATION FOR ENGINEERS

- Research-based proposals, reports, Failure Analysis Reports

ARTIFICIAL INTELLIGENCE: ART, SCIENCE, AND FICTION

- Knowledge of AI topics and processes
- Research of Generative Adversarial Networks, AI data training
- Critical analyses / research of AI use in the software industry
- Evaluation of OpenAI tools' responses to prompts

WORK EXPERIENCE

GYMNASTICS INSTRUCTOR

TGR - The Gymnastics Revolution

June 2021 - Present

- Train adolescents to become physically and mentally skilled in consistent delivery of high quality gymnastics
- Lead and supervise classes with boys and girls of different age groups and talents
- Set up and maintain a safe gym environment
- Communicate with gym manager on a weekly basis regarding teaching schedule and gymnast performance

NOTEWORTHY

UF/UCF HONOR ROLL AND DEAN'S LIST

Fall 2020 - Present

BRIGHT FUTURES AWARD RECIPIENT

Fall 2020 - Present

PROJECTS / RESEARCH

COLLABORATIVE SOFTWARE PROJECT

- Perfect Path App (Angular, Html, CSS, Typescript)

PERSONAL VIDEO EDITING PROJECTS

- Highlight Video created for proficient soccer player
- Recap videos created for home church organization

UNIVERSITY COLLABORATIVE AND INDIVIDUAL RESEARCHES

- Collaborative Proposal on Elimination of Traffic Congestion in the United States
- Individual Failure Analysis on Software Engineering Industry
- Individual Analysis of Artificial Intelligence in Cyber Security