David Winfield

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Education

University of Central Florida
Bachelor of Science in Computer Science (Expected graduation: 2024)
- Cumulative GPA: 3.1
- Dean's list: Fall 2022, Spring 2020, Fall 2019
- Organizations: KnightHacks, LEAD Scholars Academy, Marching Knights
- Relevant courses: Computer science I/II (Data structures and algorithms), Intro to artificial intelligence, Algorithms for machine learning, Web and user experience (UX), Object-oriented programming, Database systems management

Skills

Programming languages: C, Python, C#, C++, Java, Swift, JavaScript, Lua
Technologies: React framework, Django, Django REST API, MongoDB, HTML, CSS, Git/GitHub version control, Unity game engine, Visual Studio Code, XCode, iOS development
Professional skills: Agile development, Project management, Microsoft Office Suite, Fast learner, Teamwork, Leadership, Problem-solving, Communication, Analytical

Experience

KnightHacks – UCF's Largest Software Development Club
Treasurer/Executive Board Member (May 2022 – November 2022)
- Collaborated with other executive board members to make decisions for programming club with over 200 members. Assisted in planning annual hackathon
- Collected and managed over $10,000 in income. Created budget with club president

FormCheck – Fitness WebApp
Lead designer/Programmer (January 2023 – Present)
- Technology used: React, Django, Django REST API, Axios, HTML, CSS, Bootstrap, SQLite
- Created a user registration system that pushes and pulls user credentials from SQLite database
- Front end created with React and Bootstrap, back end served with Django and Django REST API, communication managed through Axios and React

cARdiac VR – Virtual Reality Software for Medical Students
Developer (August 2022 – May 2023)
- Technology used: C#, Unity game engine, Meta Quest VR technology
- Developed VR application on Meta Quest VR headset to allow med students to interact with a 3D model of a heart and take quizzes
- Made software modular to allow professors to upload custom quizzes to the application. Partnered with UCF College of Medicine
- Followed agile methodology: maintained product backlog and engaged in weekly sprints

GoKitty Advertisement Bot – Selenium Python Script
Lead Designer/Programmer (May 2021 – June 2021)
- Technology used: Python, Selenium WebDriver, HTML, CSS
- Commissioned to improve a local cat breeding business' online presence by bringing an additional 1000 views per month to their profile
- Programmed and designed a script to repost the business' advertisements on a popular adoption site, bringing them to the top of the advertising page where their posts will get the most views
- Communicated with client about the specific software requirements for the project and implemented solutions to boost ease of access for the user