Matthew Nipper

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EDUCATION

University of Central Florida   **December 2019**

Bachelor of Science in Computer Science

University of Central Florida Continuing Education   **March 2021**

Continuing educate certificates in introductory and intermediate SQL

WORK EXPERIENCE

University of Central Florida Information Technology   **October 2019 – Present (Remote)**

IT Client Support

- Manage IT support requests by evaluating problems and developing novel and timely solutions for non-technical staff
- Responsible for daily database administration tasks that require high attention to detail

George F. Young Inc.   **Summer 2017**

IT Intern

- Wrote tools in VBScript(Visual Basic Script) to assist with organization of large amounts of CAD files
- Contribute to company-wide IT projects, including overhaul of preexisting infrastructure

PROJECTS

SQL Database Design for Shipping Backend

- Created, validated, and managed multiple tables that contained user accounts and shipping data of a hypothetical international business, such as Amazon, using Microsoft SQL Server
- Applied good database management policies learned through my continuing education courses

Scheduling Algorithms Using GO

- Simulated CPU scheduling algorithms to explore CPU behavior and the GO language

Phone Based Rhythm Game

- Developed a phone-based rhythm game with a small team using the Flutter framework
- Worked in an agile environment and upheld strict version control using Git/Github
- Wrote Java code for the Android app that managed audio output for the phone and interpreted microphone inputs
- Designed several UI elements and animations for the project in Dart

Drone Tracking and Navigation using AI Computer Vision

- Leveraged YOLO computer vision and path planning algorithms to create onboard software for a Linux environment
- Develop UAV software in Python capable of acquiring and tracking objects on the ground as well as anticipating their movements they pass behind obstacles
- Software developer on a cross-discipline team of UCF students and Lockheed Martin staff

SKILLS

Languages	(Proficient): Java, SQL, Python, GO (Familiar): R, C, VBScript, Dart
Libraries/Tools	OpenCV, NumPy, Pandas, Git/Github
Miscellaneous	Google Cloud Platform, Linux