

Dylan J Vidal

✉ dylanvidal1205@gmail.com ☎ (954)-830-5652 📁 Portfolio in dylanvidal1204 🌐 DVidal1205

🎓 EDUCATION

University of Central Florida

Bachelor's Degree in Computer Science

Aug 2023 – May 2027

Orlando, Florida

- Activities: Burnett Honors College, Competitive Programming Team, KnightHacks Software Development Club
- GPA: 4.0

</> PROJECTS

Lootcode | React, Next, TailwindCSS, SQL, tRPC, TypeScript, Zx Shell, Bun, Linux Servers [🔗](#)

Feb 2024 – Present

KnightHacks Project Launch

- Worked with 3 other student developers, conceptualizing a more engaging solution to learning Data Structures and Algorithms.
- Recreated code compiling/interpreting, testing, and validating pipeline 20% faster than external API solutions.
- Authored over 75 problems and implemented them into the game to offer a diverse set of topics.

Project Wildspace Web | React, Next, TailwindCSS, SQL, tRPC, TypeScript, LangChain [🔗](#)

Nov 2023 – Present

Personal Project

- Recreated and expanded upon Project Wildspace Desktop by making a SaaS web application, gaining 50 users in the first week of deployment.
- Enforced user-authentication and security using Kinde Auth.
- Queried an SQL database for standard CRUD operations.
- Deployed subscription plans using the Stripe API for higher tier generations and rate limits.
- Leveraged the power of OpenAI GPT and Dalle models using Langchain interfacing.

UCF Campus Events Discord Bot | Python, Nextcord, Selenium [🔗](#)

Oct 2023 – Oct 2023

Personal Project

- Created a Discord Bot using Python that executes a daily web-scraping process of the Campus Event Board website using Selenium and embeds the events in a designated channel.
- Deployed to an official campus discord server with 1000+ members interacting with the bot and hosted on a Raspberry Pi to ensure 24-hour uptime.

📁 EXPERIENCE

Research Assistant | UCF Biomedical Science Laboratory

Mar 2024 – present

Orlando, Florida

- Assisted in data collection and transformation using Python and statistics libraries.
- Researched Machine Learning solutions for cancer detection and optimal treatment identification.

Team Leader | Burnett Honors College

Apr 2024 – Dec 2024

Orlando, Florida

- Instructed an advisory class for 15 freshman Honors College students in various disciplines.
- Guided students through integrative tasks at the university including curriculum advising.
- Performed tasks of a professor - graded assignments, presented lectures, and held office hours.

Research Assistant | UCF Cognitive Sciences Laboratory

Jan 2024 – Mar 2024

Orlando, Florida

- Designed a detailed approach to an experiment studying collaborative team science in software development.
- Organized a 40 person, 2-day hackathon for data collection to analyze effectiveness of teamwork in the development process.

Web Developer | Freelance

Dec 2023 – Present

Orlando, Florida

- Consulted with various local businesses throughout Central and South Florida
- Advised the design, implementation, and deployment of various websites according to client needs.
- Partnered with 5 establishments ensuring webpage upkeep and maintenance.

{ } SKILLS

- Programming Languages: Python, C++, C, Java, HTML, CSS, JavaScript, TypeScript, SQL
- Libraries/Frameworks: React, Next, Tailwind, tRPC, Prisma, UploadThing, Upstash, KindeAuth, ClerkAuth, PlanetScale, Qt, LangChain, Pyside6, Selenium, Nextcord, Tkinter, Pygame, openpyxl, pandas
- Tools/Platforms: Windows, Linux, Vercel, Node, Bun, Qt Creator, Github, Inno Installer, Raspberry Pi, VSCode, Code::Blocks