

Dylan J Vidal

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

🎓 EDUCATION

University of Central Florida

Bachelor's Degree in Computer Science

Aug 2023 – May 2026
Orlando, Florida

- Activities: Burnett Honors College, Competitive Programming Team, Knight Hacks Software Development Club
- Classes: Data Structures I & II, Object Oriented Programming, C Programming, Calculus I-III
- GPA: 4.0

</> PROJECTS

Lootcode | React, Next, Tailwind, SQL, tRPC, TypeScript, Zx Shell, Docker, Linux, Clerk 📄

Feb 2024 – Present

1st Place Winner @ Knight Hacks Projects Program

- Featured on Linux Magazine for Open Source Software after serving 1,000 monthly active users with 350 hours of combined play time.
- Designed a secure code-grade server and IDE experience using isolated Docker environments.
- Self-hosted our server and SQL database on a Linux VPS with a CI/CD script for reliable deployment and up-time.
- Authored over 75 DSA style problems across various topics and difficulties.

Wildspace Web | React, Next, TailwindCSS, SQL, tRPC, TypeScript, LangChain 📄

Nov 2023 – Jan 2024

Personal Project

- Constructed an AI-powered D&D world-building SaaS web application with 50+ users.
- Leveraged the power of OpenAI GPT and Dalle models using Langchain interfacing to create rich characters and stunning visuals.
- Enforced user-authentication and security using Kinde Auth and queried an SQL database for standard CRUD operations.

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 and announces 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

Founding Engineer | DormDevs LLC.

Apr 2024 – Present
Orlando, Florida

- Empowered businesses with powerful insights and uplifted college students with contracted work opportunities.
- Developed a business facing dashboard with real time analytics, billing, and ticketing system.
- Hosted and deployed open source analytics, authentication, and database on a Linux VPS.
- Managed a team of contracted freelance developers sourced from local colleges and universities.
- Partnered with numerous companies of various sizes throughout central and south Florida.

Secretary | Knight Hacks 📄

Feb 2024 – Present

- Played a critical role in planning Knight Hacks 2024 Hackathon with over 750+ expected hackers.
- Informed UCF's software development club of 300+ members through social media and frequent community announcements.
- Orchestrated social events, ran numerous software development workshops, and raised money through partial proceeds events and company sponsorships.

Research Assistant | UCF Computational Bioinformatics Laboratory 📄

Mar 2024 – present
Orlando, Florida

- Reduced the runtime of the AS-Quant and APA-Scan laboratory pipelines by 75% by leveraging concurrency and parallelism in Python.
- Assisted in data collection, sanitization, and transformation using libraries like pandas and numpy.
- Researched Machine Learning solutions for cancer detection identification with RNA sequencing.

{ } SKILLS

- Programming Languages: Python, C++, C, Java, HTML, CSS, JavaScript, TypeScript, SQL
- Libraries/Frameworks: React, Next, Tailwind, tRPC, Prisma, UploadThing, Upstash, KindeAuth, ClerkAuth, LuciaAuth, 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