

# Anthony Terry

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## EDUCATION

<b>University of Central Florida</b> <i>Bachelor of Science in Computer Science, Minor in Math</i> Organizations: ColorStack, NSBE, SHPE, SASE, Knight Hacks, CodePath	Orlando, FL Expected May 2027
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## EXPERIENCE

<b>Software Engineer Intern</b> <i>The Walt Disney Company</i> • Incoming Software Engineer Intern for the GET SS-W-Attractions Systems Team at Disney Experiences!	Jan. 2026 – May 2026 Lake Buena Vista, FL
<b>Software Engineer Intern</b> <i>Florida Blue</i> • Contributed to the Preferences & Consents, and Sales Team as a Web Application Developer. • Automated <b>60%</b> of smoke test cases for the Preferences and Consents website and BDD functional test cases for the Sales website using <b>Playwright</b> and <b>Cucumber</b> , cutting manual testing time and accelerating release cycles. • Implemented core QueryGPT features with <b>Python</b> , <b>LangChain</b> , and <b>SQL</b> to improve LLM Q&A accuracy and speed. • Tested LLM Q&A endpoints with <b>Bruno</b> to identify and resolve query-handling errors, improving response reliability.	May 2025 – Present Jacksonville, FL
<b>Workshop Director</b> <i>Knight Hacks</i> • Managed a team of <b>13</b> to teach <b>500+</b> students professional and software development skills in workshops. • Organized <b>40+</b> workshops with sponsor companies and clubs to create internship & networking opportunities for students. • Introduced new workshop formats that increased participant engagement and retention by <b>30%</b> compared to previous semesters. • Collaborated in organizing Knight Hacks 2025 Hackathon for over <b>1500+</b> registrants, <b>1000+</b> hackers and <b>15+</b> sponsors.	Aug. 2024 – Present Orlando, FL
<b>Undergraduate Researcher</b> <i>Propulsion &amp; Energy Research Lab</i> • Researched AI integration for Physics-Informed Neural Networks (PINNs) to improve computational efficiency. • Improved PINNs training performance by over <b>8%</b> through integration of tailored AI/ML techniques. • Trained <b>PyTorch</b> -based neural networks to simulate turbulence patterns, supporting jet engine experiment analysis. • Assisted <b>2+</b> researchers in jet engine experiments, gathering turbulence, vector field, and velocity magnitude data.	Jan. 2025 – May 2025 Orlando, FL

## PROJECTS

<b>CareerWise</b>   <i>Supabase, FastAPI, PostHog, React, TypeScript, Next.js, Mapbox, Recharts, Leaflet</i> • <b>1st Place Winner</b> out of <b>8</b> projects for CareerRise's Challenge at <b>JPMorganChase Code for Good 2025 Hackathon</b> . • Developed a full-stack economic mobility dashboard analyzing <b>77+</b> metrics across <b>7</b> indicator categories for <b>11</b> counties with a team. • Built an automated ETL pipeline processing <b>40,000+</b> quarterly employment records from the Bureau of Labor Statistics API. • Implemented an interactive <b>Leaflet</b> heat map, dynamic PDF exports, text-to-speech, and monthly autonomous data updates.	Nov. 2025
<b>Formify</b>   <i>Python, OpenCV, MediaPipe, Flask, HTML, CSS, JavaScript, C++, Arduino</i> • <b>1st Place Winner</b> out of <b>93</b> projects for the <b>Best Overall Award</b> at <b>Knight Hacks 2024 Hackathon</b> . • Advocated for physical therapy patients through a website with motion tracking and haptic feedback for guided exercises. • Integrated AI-driven motion analysis, using <b>OpenCV</b> and <b>MediaPipe</b> to evaluate user movements in real-time at <b>28 FPS</b> . • Collaborated on integrating an <b>ESP32-powered glove</b> with vibration motors responding to motion analysis feedback.	Oct. 2024
<b>Potara</b>   <i>Gemini, Express.js, MinIO, NGINX, PostgreSQL, Prisma, Docker, React, JavaScript, DigitalOcean</i> • Developed an art tool powered by <b>Google Gemini</b> , providing live AI feedback and the ability to draw on a web-based canvas. • Collaborated on reducing live feedback latency from <b>15s to under 5s</b> by optimizing data transfer, using base64-encoded data. • Integrated a full CI/CD pipeline on a VPS, reducing deployment times by <b>5 minutes</b> and streamlining release processes. • Designed and developed the frontend of the website, utilizing tools like <b>Figma</b> , <b>Tailwind CSS</b> , and <b>React</b> .	Sep. 2025

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, C#, HTML, CSS, JavaScript, TypeScript, SQL  
**Frameworks/Libraries:** React, Tailwind CSS, Node.js, Flask, Playwright, LangChain, Prisma, Next.js, FastAPI  
**Tools:** Windows, Linux, Git, Visual Studio, Unity, PostgreSQL, Docker, AWS, Figma, Blender, Bruno, Android Studio  
**Concepts:** Software Engineering, Backend, Frontend, Full-Stack, DevOps, Agile/Scrum, SDLC, AI/ML, CI/CD, Robotics