

# Felix Arbucias

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## EDUCATION

### Florida International University

December 2025

*BS Computer Science, 3.6 GPA, Dean's List*

**Selected Coursework:** Programming (I and II), Discrete Structures, Data Structures and Algorithms, Computer Architecture, Systems Programming, Software Engineering, Artificial Intelligence

## SKILLS

**Programming Languages:** Java, Python, JavaScript, SQL, HTML/CSS, MIPS Assembly

**Technologies:** Node.js, React.js, SQL, Git, Wix, Excel, Tailwind CSS, Vercel, Firebase, Vue.JS, .NET

## WORK EXPERIENCE

### Airia

June 2024 - Current

*Software Engineer Intern*

- Orchestrated the integration of Agile methodologies within the team, enhancing sprint planning and retrospective s, which led to a 30% improvement in overall project completion rates and heightened team accountability.
- Helped a team of 6 other individuals to craft a custom prompt engineering workbench using React.JS and Tailwind CSS for the front end, incorporating the backend with .NET and C# to enhance prompt engineering workflow.
- Developed python scripts to incorporate JSON formatting to capture chats completed with OpenAI's chat completion API to refine prompt responses, leading to enhanced prompt testing efficiency.

### BaseCamp305

*Research and Development Intern*

Jan 2024 – June 2024

- Spearheaded the creation of 12+ websites on Wix for Miami Food and Wine Festival, securing them under a private domain with Scaleflex.
- Leveraged Scaleflex FileRobot API and digital asset management to decrease file resource weight by 75% resulting in a 35% reduction in cost.
- Engineered Integrated gyroscopes and crash detection technology into Java-based robotics (Sphero edu) projects to demonstrate real-world applications of coding to students; Submitted projects to national hackathon.

## PROJECTS

**Social Media App (Full-Stack)** | *React.js, Tailwind, PostgreSQL, Next.js, Vercel*

[DevBuds](#)

- Engineered a developer focused social media app with 15 other members, architecting the front-end with React.js and Modular CSS to bring developers together for projects.
- Leveraged Tailwind CSS to achieve a 48% faster CSS bundling process, resulting in streamlined user experience.
- Hosted the project using Vercel, resulting in a 20% increase in speed and user accessibility.
- Employed PostgreSQL for database management to ensure efficient data organization and retrieval.

**Personal Portfolio** | *React.js, Node.js, TypeScript, CSS, Vercel*

- Created a full-stack web portfolio leveraging node pack manager to implement 8+ custom components.
- Leveraged React.js and Modular CSS to create 5+ different pages, showcasing skills and projects to viewers.
- Deployed the project using Vercel to ensure accessibility, scalability, and decrease app latency by 60%.
- Implemented and installed custom react user icons to create a unique and interactive portfolio.

**Stock Trading Bot** | *Python*

- Built a python bot leveraging the yahoo finance public API to analyze past market data and make profitable trades.
- Uses market history from the past 60 days to analyze data efficiently, resulting in a 9.5% annualized ROI.
- Leveraged oandapyv20 to connect the trading bot to brokerages, showcasing it's use in real-time.

**Light and Sound Memory Game** | *JavaScript, HTML, CSS*

- Engineered a light and sound memory game using JavaScript, HTML, and CSS.
- Leveraged 8+ specific frequencies in JavaScript to generate sounds on click, specific to individual octaves.

## Extracurricular

**CodePath** | *Technical Interview Prep 2, Internship Connection Program*

June 2024

**Vanderbilt University** | *Prompt Engineering Certificate*

January 2024

**Lil Abner Foundation** | *Tutored underrepresented Hispanics in STEM fields*