

Giovanny Espitia

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Skills

- Python | Javascript | TypeScript | C++ | C | React | MySQL | Node | Prisma | MongoDB | Vue | Redux | Next | Git | Matlab
- AWS | Cloud Computing | CI/CD | Tensorflow | PyTorch | Swift | Xata | Lambda | OOP | Jira | Figma
- Distributed Systems | Frontend | Backend | Full-Stack | Mobile | English, Spanish – *All professional proficiency or above*

Experience

CEO, Software Engineer

Paymo.Money

Atlanta, GA, USA

03/2023 - Current

- Led the development of an integrated platform using **Next.js, ReactJS, Prisma, and PostgreSQL**, combining payment links, forms, and analytics, contributing to a product adopted by 400+ users and 300+ student organizations
- Applied cutting - edge **GPT technology** to automate form creation within the platform, implemented A/B testing, APIs, and unit testing ensuring quality, functionality, and a 60% increase in UX satisfaction rate
- Focused on user-centric design, using best practices in **UI/UX**, to create an intuitive interface using **Figma**, enhancing user satisfaction and product appeal by 40%
- Worked closely with stakeholders in product development and fundraising efforts, showcasing strong communication and collaboration that were vital in translating business requirements into technical solutions

Research Engineer, Intern

University of Chicago

Chicago, IL, USA

05/2023 - 08/2023

- Led the design and development of multiple numerical simulations to solve complex partial differential equations, driving a 48% decrease in simulation time using the latest technologies of **Python, SciPy, PyTorch, and Matlab**
- Created 30+ customized data visualizations using Matplotlib and Seaborn, illustrating project insights, improving stakeholder understanding and driving data - oriented decision making in software development
- Leveraged **Scrum** and **Jira** to manage and deliver 5 software engineering projects, coordinating cross - functional teams of up to 10 members and ensuring on - time , within budget - completion
- Presented complex software development findings through 20+ clear presentations and detailed reports, enhancing collaboration
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Research Engineer, Intern

Georgia Tech Research Institute

Atlanta, GA, USA

05/2022 - 08/2022

- Developed a sample control database application using **ReactJS** and **Xata** , streamlining and optimizing data process within the organization, increasing throughput by 30% without additional resources.
- Led the development and implementation of a sophisticated Convolutional Neural Network for image classification using **Pytorch**, enhancing the automation and accuracy of visual processing by 25%
- Employed **Pandas** and **Numpy** for in - depth statistical analysis, extracting actionable insights for data - driven decision making
- Crafted an engaging visualization tool using **ReactJS** and **D3.js**, facilitating a more intuitive exploration of datasets

CEO, Software Engineer

Astro

Atlanta, GA, USA

02/2023 - Current

- Developed custom web applications to customers using **ReactJS, Next.js, and Prisma** increasing their revenue by over 20%

Education

Bachelor of Science

Georgia Institute of Technology

Atlanta, GA, USA

08/2021 - 05/2024

- Major in Computer Engineering and Physics
- Minor in Aerospace Engineering

Projects

- **GENIUS**: Creator of a GPT based SaaS web application (ReactJS, Next.js, Prisma, Typescript). Link to [Github](#) repository (07/2023)
- **ClipURL**: Designed and developed a [chrome extension](#) (Javascript, APIs) for URL management with automatic categorization (07/2023)
- **ToDo App**: Designed and developed a [to-do app](#) (ReactJS) for project management and scheduling (05/2022)

Mentorship

- **Teaching Assistant**: Supervised over 40 students | teaching | grading | lesson planning (01/2022 - 05/2022)
- **Physics Tutor**: Programming | Teaching | Research Advise | GRE Prep

Others

- **ReactJS Certificate**: Certificate obtained after the completion of a ReactJS course taken in the codedamn platform (07/2023)
- **AlgoExpert Certificate**: Certificate obtained after the completion of 100+ programming challenged (07/2023)