ROBERT LERIAS JR.

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EDUCATION

University of California, Riverside **Sept 2019 - Jun 2023**
Bachelor of Science in Computer Science, Cum Laude GPA: 3.72

TECHNICAL SKILLS

Languages/Frameworks: C++, C, Python, React, Next.js, TailwindCSS, HTML, CSS, Javascript, C#
Tools: Git, Github, Visual Studio Code, Figma, Adobe Photoshop, PowerBI, Aesprite, Unity, MongoDB

EXPERIENCE

KABO! Studio **Inland Empire, CA**
Co-Founder | Software Engineer and UI/UX Designer *August 2023 – Ongoing*

- Managed 2+ freelance projects from client communication and project estimation to delivery, maintaining a high level of client satisfaction while boosting business' online presence by 50%
- Designed wireframes, prototypes, and mockups using Figma to visualize functional, user-friendly, and code-feasible design concepts and workflows.
- Collaborated with clients to understand their specific requirements, translating them into functional website designs and features using Next.js and TailwindCSS

Anheuser-Busch **St. Louis, MO**
Technology Trainee Program Intern *June 2022 – August 2022*

- Assisted 600+ wholesalers in the North American Zone through Anheuser-Busch's transition to BeerTech's new OnePortal software by creating 3 standard operating procedures that covered Forecasting, Ordering, and Appointments
- Developed and designed OnePortal Support Tab using React, TailwindCSS, and Figma that centralized user experience
- Organized user data in PowerBI, MixPanel, HotJar, and DataDog dashboards that aided both developer and functional teams in proceeding with production rollout

System Optimization & Computer Architecture Lab **Riverside, CA**
Undergraduate Researcher and Intern *March 2021 – August 2021*

- Focused on performance efficiency by optimizing existing matrix-multiplication operations on GPUs and CPUs using a Directed Acyclic Graph, or DAG, based implementation of Strassen-Winograd's Algorithm
- Increased matrix-multiplication runtime by 15.3% by using the DAG Strassen-Winograd Algorithm on GPUs
- Contributed to research presented at The International Conference for High Performance Computing, Networking, Storage, and Analysis in St. Louis, Missouri

PROJECTS

NOVO | *Next.js, TailwindCSS, Figma, MongoDB* **May 2023 – Jun 2023**

- Led a team of 4 individuals in the development and implementation of NOVO, a dating web application focused on fostering connections with individuals seeking new experiences
- Designed and implemented captivating user interfaces and intuitive user experiences using Figma
- Developed both frontend and backend functionalities using Next.js, TailwindCSS, and MongoDB for key features including Feed, Activity Profiles, Profile Creation, Reviews, and Ratings

R'Parts | *Next.js, TailwindCSS, Figma* **Apr 2023 – Ongoing**

- Led design initiative in a team environment and designed low-fidelity wireframes and interactive prototypes on Figma for a student-based second-hand marketplace for computer hardware
- Developed multiple web pages using Next.js and TailwindCSS including Landing and Sell

BeatDrop | *Next.js, TailwindCSS, Figma, Adobe Photoshop* **Jan 2023 – Mar 2023**

- Led design initiative in a team environment and designed low-fidelity wireframes and interactive prototypes on Figma for a geographic-based music-sharing social media
- Created reusable components, including song listing and team profiles, that streamline development process and improve website performance using Next.js and TailwindCSS

PUBLICATIONS

Carodan M., Chow M., **Lerias R.**, Ranganath K., Wong D. (2021). "Energy Efficient Task Graph Execution Using Compute Unit Masking in GPUs". *The International Conference for High Performance Computing, Networking, Storage, and Analysis (SC21).*