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| XXXXX, XX  XXXXX, XX | **XXXXXX XXXX**  ***Software Engineer*** | | XXXXXXXX  XXXXXXXXXXX  XXXXXXXX |
| --- | --- | --- | --- |
| **EDUCATION** | | | |
| **University of California, Irvine** | | XXXX - XXXX | |
| * B.S. in **Computer Science**, specialized in **Intelligent Systems** * **GPA: 3.8X/4.00** * Core Courses: Data Structure, Algorithm, Databases Management, Web System Design, Artificial Intelligence. | | | |
| **SKILLS** | | | |
| **Programming Languages:** Python, C++, C, TypeScript, JavaScript, Java, C#, Go, Kotlin, Assembly language.  **Framework & Libraries:** React/Redux, FastAPI, Django, GraphQL, TensorFlow, NodeJS, .NET  **Services & Tools:** Docker, Kubernetes, CouchDB, MongoDB, MySQL, ArgoCD (CI/CD), AWS, Azure, Linux, Git | | | |
| **WORK EXPERIENCE** | | | |
| **Full Stack Student Developer**  xxxxxxx | |  | XXXX - Present |
| * Developed Web Apps using **React** and backend using **FastAPI** for applications in the help desk infrastructure. **Increased speed** of processing incidents by at **least 50%**. * Developed school license manager platform to help automatically assign, track, and revoke licenses for more than **30,000** university students and faculties. * Managed microservices with **Kubernete**, set up automated deployments using **ArgoCD.** * Performed complex **data migration,** conversion, and modeling. Implemented mango queries to effectively insert and query data from **Apache CouchDB.** | | | |
| **Data Research Intern**  xxxxxxx | |  | XXXX - XXXX |
| * Researched public data from websites of **5,000** educational institutions in the United States and collected organizational information to support college campaigns. * Organized data with **Excel formulas** toreduce and convert incidental and invalid data, minimizing the data size by **15%**. * Increased the accuracy and completeness of the organizational information by **20%**, allowing the server to process larger volumes of data. | | | |
| **PROGRAMMING PROJECTS** | | | |
| **Time2Work** (*JavaScript, Python)* | | <http://gg.gg/time2work/> | |
| * Built a web application similar to “When2Meet” to help organizations track members’ work schedules. * **Pair programmed** with partners and deployed the app in a **containerized microservice** on Kubernetes. | | | |
| **CryptoTracker *(****Android, Kotlin )* | | <https://github.com/Zavins/CryptoTracker> | |
| * Create a mobile app with **Kotlin** in **Android Studio** to monitor up-to-date prices of cryptocurrencies. * Fetched data from a third-party **REST API** and created a static dashboard to display the current crypto statistics. | | | |
| Pong Game *(HTML, JavaScript)* | | <https://zavins.github.io/PongGame> | |
| * Developed an **HTML canvas** game using **JS** to allow users to play Pong games with AI at 3 different levels. * Designed algorithms by applying geometry and trigonometry knowledge to handle gestures and move objects. | | | |
| **RESEARCH ACTIVITIES** | | | |
| **Tech Lead**  xxxxxx | |  | XXXX-XXXX |
| * Architected the system using **Serverless technology** to display electron energy loss spectroscopy on interactive ant design charts with **real-time** updates. * Led the team to deploy and maintain the application on **AWS** using automated **CI/CD** pipelines. | | | |
| **Front-End Engineer**  xxxxxx | |  | XXXX-XXXX |
| * Collaborated with researchers in UChicago to develop a Scratch-based online learning system for children. * Created modernized web interfaces using **Ant Design** library, reduced the complexity of Front-end logic. | | | |