

CARLOS QUIHUIS

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EDUCATION

Arizona State University
Bachelor's, Computer Science

August 2020 - May 2025
GPA: 3.52

PROFESSIONAL EXPERIENCE

City of Phoenix

Software Engineering Intern

Phoenix, AZ, USA
September 2024 - Present

- Optimized procedures of data backup retrieval from the database
- Coordinated queries to replicate the hierarchy of the assets for database migration
- Identification of items efficiency increased by 80%
- Organized assets in series with corresponding operations and maintenance manuals

SAGO

IT Technician

Phoenix, AZ, USA
September 2023 - Present

- Integrated automated processes for data uploading to the cloud
- Conducted troubleshooting and maintenance for the server on-site
- Upgraded hardware and software gaining higher resolution for AV recordings (480p to 1080p)
- Engineered web application to gain AV system control directly from iPads

PROJECTS & OUTSIDE EXPERIENCE

Healthy

- Developed software to reconstruct MRI scans into 3D models, improving diagnostic efficiency
- Integrated direct connectivity to PACS server for seamless DICOM file access
- Enabled a medical image visualization in virtual and augmented reality for enhanced analysis
- Engineered a data integration solution to consolidate multiple data sources (database, excel sheets, call center system)
- [Link to project](#)

MedAI

- Developed a smart agent for diagnosing brain illnesses
- Engineered a neural network for brain tumor classification, predicting Glioma, Meningioma, and Pituitary from medical images
- Built Retrieval Augmented Generation model to provide a chatbot data retrieval and text generation
- [Link to project](#)

Verso

- Built a RESTful application enabling user interaction with large language models (LLMs)
- Integrated OpenAI API for natural language processing and langchain for embeddings
- Enabled PDF upload and context document integration for smarter conversations
- [Link to project](#)

Partition Reader

- Developed software to identify partition allocation
- Facilitated the extraction of globally unique identifiers and logical block addresses (hex format)
- User can specify offsets for retrieval of 16 bytes addresses
- Maintained consistent runtimes <2.3 seconds runtime
- [Link to project](#)

SKILLS

Skills: Python, Git, Java, HTML/CSS, Excel/Numbers/Sheets, machine learning, React.js, Blockchain, C#, C/C++, Data Analysis, Data Structures & Algorithms, Flask, Firebase, JavaScript, LangChain, Linux/Unix, .NET, Pandas, Pytorch, REST APIs, Tensorflow, Bash, Node.js, AWS, SQL, TypeScript, Docker, Pandas, forecasting, end-to-end

Languages: French, Italian, Spanish