Peter Luey

(850)888-3862 | peterluey.com@gmail.com | peterluey.com | linkedin.com/in/peterluey | github.com/PoyoPoak

Experience

Ka Tech: Backend Developer | Remote   **06/2024 – Present**
- Co-founded a B2B SaaS startup and led an agile cross-functional team of 10 developers to design and deliver software products, features, bug fixes, and continuous support for clients.
- Scaled company MMR by +500% within 5 months of deploying RealDoc, a subscription based web app.
- Cut cloud operating costs by 32% by migrating RealDoc's infrastructure from AWS to Railway.
- Authored SOP documents for project version control strategies and methods to reduce merge conflicts and time spent resolving them by over 80%.
- Accelerated testing by 40% by introducing Github actions to projects for pre-merge tests.

Intel: BIOS Firmware Intern | Remote   **06/2023 - 12/2023**
- Integrated +10 critical cross platform features and bug fixes for BIOS firmware in flagship products. These changes were tested and validated on silicon.
- Reduced debugging overhead in log retrieval by over 50% for developers by implementing Jenkins CI/CD pipelines and features for artifact archiving and dashboard synchronization.
- Improved team onboarding process and firmware documentation by authoring/maintaining +20 pages for CI/CD, Memory Reference Code documentation, debugging processes, and best known practices.

Tektronix: Operations Intern | Beaverton, OR   **03/2022 - 12/2022**
- Saved ~60% of time spent rescheduling orders and parts trolling by creating Robotic Process Automation POCs for planners and buyers using UiPath.
- Developed a machine learning based visual inspection system 20% more consistent than human operators in detecting defects by training a neural network on manufacturing imagery data.
- Entrusted with a 3-month extension to onboard a new hire and perform knowledge transfer.

Projects

RealDoc | Python, AWS, SQL   **07/2024 – Present**
Implemented payment processing, unit tests, bug fixes and managed cloud infrastructure for a web automation used in real estate CE certificates with active users saving +300 hr/month.

PDF Overlay Tool | Python, Pyinstaller, Tkinter   **05/2025 - 05/2025**
Reduced manual PDF work by over 80% for a local business by creating a custom windows executable for batch PDF combination and overlay.

Documentation Retrieval-Augmented Generation System | NLP, C#, MySQL   **03/2025 - 03/2025**
Improved developer efficiency by ~25% by building a RAG system to crawl, scrape, vectorize, and index site data for query answering and code generation.

Reinforcement Learning Stacking Bot Simulation | Python, Pandas, Matplotlib   **05/2024 - 06/2024**
Programmed, trained, and optimized a bot with value iteration to retrieve and stack boxes by weight optimally performing action selection and task completion with a 100% success rate.

Discord LLM Chatbot | Python, JavaScript, Google Cloud   **02/2023 - 06/2023**
Designed and programmed a chatbot utilizing OpenAI's language models for users to interact with via text and voice while managing instantaneous conversations with different users.

Education

Oregon State University | B.S. Computer Science (3.52 GPA, Cum Laude)   **09/2021 - 03/2025**
Web Development | Cloud Applications | Algorithms | Data Structures | Operating Systems | UI/UX | Databases | Parallel Programming | Artificial Intelligence | Machine Learning | Deep Learning | Reinforcement Learning | Information Retrieval | Causal Inference | Networks | Assembly

Relevant Skills

Languages: Python | JavaScript | TypeScript | SQL | C# | C/C++ | Java | Groovy | HTML | CSS

Frameworks: Flask | FastAPI | .NET/ASP | Docker | RAG | PyTorch | PuLP | MCP | React | Angular

Tools: MySQL | MongoDB | Node.js | Jenkins CI/CD | Linux | RPA | LLMs | AWS | Azure | AI Agents

Other: Agile/Waterfall | Debugging | RESTful APIs | Unit Tests | System Design | Project Management