Denny Bucklin
Full Stack Developer
562-619-6459, dennis.bucklin@gmail.com, San Marcos, TX, LinkedIn, Github, Gitlab, Portfolio

TECHNICAL SKILLS
Programming Languages | Go 1.13, JavaScript ES6+, Java 21, SQL, HTML5, CSS, Python 3, R 4.3.2
Front-End | React 18, Next.js, DOM manipulation
Back-End Frameworks | Node, Django, FastAPI
Other | Git, CI/CD, Docker, Deployment, Authorization, Tableau, Azure

RELEVANT PROJECTS
Backend Lead | Birddex | React, Python, FastAPI, PostgreSQL | Live Project   Jan '24 - Present
- Designed **unit tests and debugged errors** using Python's unittest to ensure **performant and reliable** software
- Optimized queries using **FastAPI and PostgreSQL** to serve data to the front-end app
- Built a frontend using **React** to present a single-page application and **Redux and RTK Query** to minimize component coupling
- Developed using **Docker** collaboratively with a group, focusing on **inclusivity and Agile** methodologies
- Deployed using a **cloud provider** on the backend and **Gitlab Pages** for the frontend

Data Analyst | Health Outcome for Horses Competition | Kaggle, Python | Notebook   Oct '23
- Processed and cleaned data using **Python** for **data mining and manipulation** to increase accuracy and performance of **machine learning models**
- Utilized Python libraries including **Numpy, Pandas, & Statistics**, along with machine learning models such as **LightGBM, XGBoost, Sklearn** to identify key trends, patterns, & predict individual outcomes on **Kaggle**

PROFESSIONAL EXPERIENCE
Utilities Analyst | Texas State University   Aug '24 - Present
- Developed annual **utility use projections** to improve future business decisions
- Supported business operations with up-to-date **utility use and cost data**
- Led team of interns **developing AI** utilities manager

Software Engineer Intern | Arctex   Jun '24 – Aug '24
- Team player coding **MERN-stack** app from greenfield
- Implemented user **authorization and Stripe payments**
- Collaborated with a small team to **build functional and performant software**

AI Trainer | Freelance   Mar '24 – Aug '24
- Analyzed language model outputs to improve the efficacy of **end-user interactions with AI**
- Developed and refined coding challenges for AI chatbots in **Python and Java**
- Authored **high-quality solutions** and explanations for complex coding problems, ensuring clear understanding and application of programming concepts in AI model development

Plant Manager | Insituform Technologies   Jan '17 - Jun '23
- Enhanced operational efficiency & quality by 15% using **statistical analysis** to develop SOPs, resulting in a 15% **reduction in errors**
- Oversaw **production and delivery** operations for manufacturing plant earning $1 mil monthly revenue
- Preserved operational readiness and designed and implemented training for **15 manufacturing employees**

Machinery Technician Second Class | United States Coast Guard   Jun '07 - Jun '11
- Maintained **physical plant of 4 boats, 2 cars, 4 small engines, and 1 diesel generator** to achieve 100% operational readiness
- Trained **14 peers and subordinates** to maintain machinery, operate radios, etc.

EDUCATION
Software Engineering with JavaScript and Python Certificate | Hack Reactor   Feb '24
Economics B.A. | University of Southern Mississippi   Dec '14
Earned Certificates
- Microsoft Certified: Azure Fundamentals
- Google Data Analytics (Coursera)
- IMB Data Analytics (Coursera)