Carl Kogstrom

North Palm Beach, Florida | Email: carl.kogstrom@gmail.com | Phone: 561.517.1284 | GitHub: CTKogstrom

Recent Computer Science graduate with two years of experience in building frontend interfaces with React and backend APIs with Django REST Framework. I am looking to join a team that prioritizes open communication and will challenge me to expand my skillset into machine learning disciplines.

EDUCATION

University of Florida Gainesville, FL
B.S. Computer Science | GPA 3.92 December 2021
Minor: Chemistry
Honors: College of Engineering Dean's List, Presidential Honor Roll, National Merit Scholarship, Cum Laude

TECHNICAL EXPERIENCE

Wyd? North Palm Beach, FL
Founding Full-Stack Engineer December 2021 – August 2022

- Primary developer (wrote 99% of code) for the backend server (Python/Django/PostgreSQL) hosted on a Google Cloud Compute instance utilizing NGINX as a reverse proxy with 80% test coverage for REST endpoints
- Planned and implemented a Google Firebase microservice authentication solution using JWT in order to replace Django's token authentication and allow users to sign up using Google or Apple accounts
- Collaborated on a team of two developing a React, progressive web application with a mobile first design approach that allowed users to search through over 14000 points of interest based on their location
- Organized a refactor converting frontend codebase from JavaScript to TypeScript significantly improving development speed and experience
- Constructed a data pipeline that sourced data from public datasets and by scraping popular sites, removed duplicates, inferred values for holes in the data, and uploaded cleaned data to make available to end users

Miller Biomechanics Lab at UF Gainesville, FL
Python Lab Developer May 2021 - December2021

- Collaborated with a team of PhD students working on an app suite to aid orthopedic surgeons in understanding the pathology of shoulder injuries
- Leveraged OpenCV and Pytorch for image segmentation of over 3000 shoulder X-ray images to identify the scapula, humerus, and clavicle in each image
- Utilized key-point estimation and the segmented X-ray images to map 2-D Xray images to 3-D CT scans of patient's bone structure to create a composite image for surgeons to analyze

NON-TECHNICAL EXPERIENCE

University of Florida Rowing Team Gainesville, FL
Coxswain January 2018 - December 2021

- Cultivated time-management skills balancing 18 hours of practice per week with engineering coursework
- Learned the necessity of clear communication skills through high pressure racing situations

SKILLS

Languages: Python, JavaScript/TypeScript, SQL, Java
Tools: Git & GitHub, Bash/UNIX, PostgreSQL, GraphQL, AWS, Google Cloud Platform, NGINX, Jira
Libraries and Frameworks: Django, React, Pandas, Matplotlib, PyTorch, Node.js, Redux, React-query