

Jake Schroder

Github: <https://github.com/JakeSchroder>

Plano, Texas 75093

Portfolio: <https://jake-schroder.com>

Email: Jake.Schroder@gmail.com

LinkedIn: <https://www.linkedin.com/in/jakeschroder/>

Cell: (214) 566-2502

OBJECTIVE A technically experienced, creative, and self-driven software developer seeking an opportunity to join a team of experts in solving and developing technical solutions. I have a considerable amount of experience with Python and strive to learn more about fullstack development.

EDUCATION Bachelor of Science in Computer Science, May 2020
The University of Texas at Dallas

SKILLS Python | JavaScript | Java | C/C++ | SQL | Tensorflow | OpenCV | MongoDB | ReactJS | AngularJS | ExpressJS | Django | Flask | sklearn | Docker | OSX | Linux | Windows | CSS | HTML | Github | AWS | Agile | SCRUM | Material UI | Bootstrap | NGINX | NodeJS

PROFESSIONAL EXPERIENCE

Software Developer, Careview Communications Lewisville, Texas 2019 - 2022

- Responsible software developer for camera-based patient monitoring system deployed across 92 hospitals utilizing AI to recognize patient movement and alarm on potential falls.
- Evaluated camera systems to determine viability for patient monitoring system deployment.
- Developed luminance adaptive python program to maintain optimal image quality.
- Utilized machine learning to produce improved models for patient monitoring.
- Communicated with field technicians to fine tune patient monitoring systems in hospitals.
- Adapted a dual camera case recording program to one camera and fixed discovered bugs.

PROJECTS

Clothing Aggregation Website (<https://github.com/JakeSchroder/Packrat>)

- Developed a MERN (MongoDB, ExpressJS, ReactJS, NodeJS) stack.
- Integrated Material UI components with the application to expand functionality.
- Created a web crawler using Python to retrieve json formatted product data from Shopify sites and upload normalized data to the MongoDB.
- Managing 50,000 products with many more to be added with every chosen Shopify site
- Implemented an API that serves product data, filters options, and the UI.
- Utilizes Docker Compose to ease development process and deployment of the application.
- Hosted application and database updater in separate AWS EC2 Ubuntu instances.

Portfolio Website (<https://github.com/JakeSchroder/portfolio-jake>)

- Utilized NGINX and ReactJS to create a docker-contained personal portfolio website.
- Hosted on an AWS EC2 instance with a load balancer to forward HTTP and HTTPS traffic towards the application.
- Features a light and dark mode with automatic calibration based off of the users browser theme.
- Implemented auto scrolling to respective sections via button press.
- Embedded resume within the page to decrease friction using react-pdf.