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Oleksii Fedorenko

Spring, TX, USA
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Education and Certifications

MS Computer Science, Case Western Reserve University. GPA: 4.0   **January 2022 – May 2024**
BS Computer Science, Case Western Reserve University. GPA: 3.93   **August 2020 – May 2023**
Clubs: Hackathon CWRU, ICPC, Google Developer Student Club, Entrepreneurship Club, Wall Street Trek
Relevant Coursework: Data Structures, Algorithms, Software Development and Design, Machine Learning

Work Experience

Software Engineer Intern   **May 2022 – August 2022**
Lutron   Austin, TX
- Developed an Analytics dashboard based on React that allows operations to get real time data on hundreds of devices that are undergoing manufacturing processes.
- Designed the architecture and developed an API (based on Python Django) that queries SQL database with millions of records, processes and returns filtered information ready to be visualized in under 2 seconds.

Research Assistant (Android Developer)   **May 2021 – May 2022**
Case Western Reserve University   Cleveland, OH
- Developed an Android app for gathering health survey data from hundreds of research participants
- Implemented Google Fit and Fitbit integration to collect millions of datapoint for data analysis and research
- Integrated communication with a Python Flask server to transfer hundreds of megabytes in collected data
- Participated in data processing to parse tens of gigabytes of records

Software Engineer Intern   **June 2021 – August 2021**
Lutron   Austin, TX
- Worked on initiative to redesign and speed up process of creating and adjusting complex lighting scenes
- Implemented feature in corporate software (running on C# .NET WPF) with over 1.7 million lines of code
- Designed and implemented an API Client that allows for communication with AWS services that is currently deployed and sends over 3000 request a day
- Developed an XRay Operator tool that parses and visualized thousands of x-ray machine output records. The tool allows to make decisions on passing and failing manufactured boards and stores records in SQL database

Teaching Assistant   **January 2021 – May 2021**
Case Western Reserve University   Cleveland, OH
- Worked as TA for computer science professor in 8 MATLAB sections; Graded more than 400 coding projects

Full-Stack Web Developer   **June 2017 – August 2019**
Freelance, self-employed   Spring, TX
- Developed more than 10 websites from scratch requiring communication with clients, SEO optimization
- Used tens of technologies and libraries HTML, JavaScript (jQuery, Bootstrap, etc), Ajax, SQL, PHP, WordPress

Technologies and Languages

- Languages: Java (Android), Python (Django, Data Analysis), JavaScript (Node.js, React), C# (.NET, WPF), C++
- Technologies: AWS, Git, Linux, SHH, Database Systems (MySQL, Postgres, MongoDB)

Projects

LAMPi (Software Engineer)   **January 2022 – May 2022**
- Developed a system that combined hundreds of lamps into one IoT system
- This project was developed using Raspberry Pi hardware, Django website running on AWS with database in PostgreSQL, IOS application that connected to any number of devices using Bluetooth, and all of the IoT systems were connected using MQTT Mosquitto broker with support for millions of devices.
- Created a system to log all events from all of the devices and platforms to the Mixpannel analytics tool, which allowed us to make decisions based on thousands of pieces of the collected data