Alexander Pusey

Creative Technology and Design Student with Software Development Experience

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Technical Skills

Development Languages: Python, Java, Swift, Javascript, HTML, CSS
Operating Systems / Scripting: Linux, Bash, MacOS
Tooling: React, SwiftUI, Docker, Node.js, MySQL, MSSQL
Physical Prototyping: Autodesk Fusion 360, Solidworks, Arduino

Work Experience

CU Boulder Off Campus Housing & Neighborhood Relations, Boulder

Software Developer   *Oct 2022 - Present (20hrs/week)*

Developed a full-stack Party Registration web application with React UI and Mapbox integration. Convinced management to develop internally instead of outsourcing. Working with CU IT I expanded the functionality of the UI and designed a Node.js middle tier API with MySQL backend. Subsequently migrated the application to Docker and MSSQL for deployment into CU IT's existing architecture. Successfully integrated with SAML-based SSO and implemented cookie based authentication.

Krescendo Ltd., London

Software Development Intern   *Summer 2021 (8 weeks)*

Familiarized myself with one of the company's key products (LiveDataSet) and its APIs. Performed research project into ITSM feature analysis with a view to assessing whether the LiveDataSet product could be enhanced to compete in this domain. Made enhancements in Java to one of the backend systems facilitating data transfer to a data mart.

Citihub Digital, New York City

Software Development Intern   *Summer 2019 (4 weeks)*

Worked within a professional development team to make additions and edits to production code for Market Connectivity Tool for a large US bank.

Columbia University College of Dental Medicine, New York City

Software Development Intern   *Summer 2018 (6 weeks)*

Worked with a team of high school students learning and applying Linux, Bash & Python. Used these skills to call Web APIs to build example SlackBots and a Tkinter-based application to graph heart rate/oxygenation level readings from a USB PulseOx device.

Education

ATLAS Institute, University of Colorado Boulder
Creative Technology and Design BS (2022 - 2024)

Worcester Polytechnic Institute (WPI), *Computer Science Major (2020 - 2022)*

Fiorello H. Laguardia High School, *Fine Arts Major (2016 - 2020)*

Other Interests

Machining, Carpentry, Skateboarding, Photography, Sketching, Biking!