ETHAN BUDD

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EXPERIENCE

MAY 2021 – PRESENT

BACK-END DEVELOPER INTERN, IBM

- Collaborate with teams across the organization to integrate their development to a centralized testing infrastructure
- Work on C and C++ macros to help the service team be more efficient at helping clients
- Create Ansible Python modules that can be used in playbooks to automate development, debugging, and testing

SEPTEMBER 2019 – MAY 2021

SYSTEMS ADMINISTRATOR, UNIVERSITY OF WISCONSIN COMPUTER SYSTEMS LAB

- Develop applications to support the CSL using Python, JS, and integrating internal API's and databases
- Support and maintain various systems including research servers and departmental services
- Develop internal tools that interact with SQL databases using Python with Django
- Provide local and remote support for over 2200 users and systems running Linux

JUNE 2020 – SEPTEMBER 2020

CLOUD APPLICATION DEVELOPER INTERN, INNOVATIVE COMPUTER PROFESSIONALS

- Developed bank issuing and acquiring software backend using SQL, Groovy, Grails, and Spring
- Developed mobile wallet app in C# with Xamarin
- Developed bank issuing and acquiring software frontend using HTML, CSS, JavaScript, jQuery, and Ajax

EDUCATION

MAY 2022

BS COMPUTER SCIENCE, UNIVERSITY OF WISCONSIN – MADISON

- WORKING TOWARDS A LEADERSHIP CERTIFICATE / MINOR

SKILLS

- Java, JavaScript, Python, Rust, C, C++, C#
- Angular, React, and Typescript
- Google Firestore, SQL Server, and PostgreSQL, SQLite
- Dart, Flutter, and Xamarin
- Linux, Nginx, and Apache
- CI/CD for GitHub Actions and Travis

ACTIVITIES

- Planed and organized events as a Peer Mentor for University Housing.
- Contribute to various open-source projects
- Active participant in Google Code Jam, Kick Start and NSA codebreaker coding competitions
- Member of University of Wisconsin – Madison's Resident Housing Advising Board

PROJECTS

- Published a cross platform mobile app using Spotify and Google Cloud API's
- Published a NextCloud client CLI written in Rust to easily manage files without a web browser
- Actively maintain personal servers and services
- Programmed a student portal dashboard demo in React
- Designed and maintain a personal website written in Angular
- Published a CLI and Systemd service to automatically download public SSH keys from GitHub, GitLab and Launchpad written in Rust
- Programed a neural network to recognize hand drawn digits