

Stephen Hullender

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EDUCATION

Temple University

Bachelor of Science, Computer Science; Minor in Data Science

Philadelphia, PA

December 2022

- GPA 3.30, Dean's List Fall 2020

WORK EXPERIENCE

Application Developer

Temple University Fox School of Business, Philadelphia, PA (REMOTE)

September 2022 – April 2023

- Strengthened integrity of car ownership transfer and potential fraud reduction for 13 locations by incorporating notarization API to send PDF files or obtain notary transaction data via Axios HTTP client
- Optimized document generation for 50 states, 5 files each, by encoding algorithm to print field values via Node.js PDF, CSV parsing libraries based on conditional transaction attributes for all possible title transfer requirements
- Revised TypeScript code on React Native application to enhance user interface, organize screen transitions in navigation stack for three vehicular transaction types and located state

Software Engineer Intern

Above & Beyond Studios, Boston, MA (REMOTE)

August 2022 – January 2023

- Increased business recognition by engineering AWS CloudFront networks to mobilize resources to new company website and four e-commerce platform subdomains, AWS S3 storage and Route 53 DNS records
- Supported development of API endpoints with two co-interns for shopping cart, order history, and coupons to reward discounted products, Postgres for database management, JWT for authorizing user activity
- Improved company contact and support by integrating HubSpot API client in Node.js server code combined with additional data analysis client for customer responses, newsletters
- Upgraded user experience on e-commerce website for 15 account and shopping pages by reviewing Figma designs with frontend team, redesigned with React.js, CSS
- Operated Git version control on three repositories to review and approve pull requests for updating Chrome extension, company and shopping websites

Data Science Classroom Assistant

Temple University College of Science and Technology, Philadelphia, PA

August – December 2021

- Expanded accessibility of data science knowledge to 60 first-year students by collaborating in the instruction of Python programming and preparatory data science skills using pandas, NumPy libraries
- Expedited progress on Python worksheets by debugging student code, software issues on Jupyter Notebook
- Provided grades and comments for 15 lab worksheets based on assessment of data manipulation techniques and curriculum knowledge, charted attendance for students visiting office hours

PROJECTS

Parking Spot Detector – Senior Capstone Project

September – December 2022

- Contributed to assembling software system with six team members to locate open parking spaces in congested areas using hardware camera units connected to image detection server
- Established React Native application for user interface and notifications based on changes in parking area, implemented Google Maps SDK for localizing open spots on map-based layout and navigation within 10 miles
- Supplied database schema design for transmitting MongoDB data between backend and detection server, detailed Node.js API architecture for user accounts, cameras, parking conditions

YouTube Audio Downloader – Independent Project

July - August 2022

- Formed Python-based GUI program for easier interaction with open-source download manager to convert YouTube audio into downloadable files, additional Bash script for downloads using command-line interpreter
- Allocated queue data structures to view download history, concurrently render multiple requested files

How Can I Help App – Junior Capstone Project

April – May 2022

- Developed Android application in Java with three team members to request or advertise charitable services or items, XML for application design layout
- Revitalized visual accessibility by incorporating Google Maps SDK to show local postings within 50 miles, customized map interface using adapter pattern for map marker and information windows

SKILLS

JavaScript (Node.js, React.js, React Native), TypeScript, Python (pandas, NumPy), Java (Android Studio), C, HTML, CSS, AWS (S3, EC2, CloudFront), SQL (Postgres), MongoDB, Linux, Git