

Logan Pashby

SENIOR SOFTWARE ENGINEER

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Education

Western Washington University (WWU)

GPA — 3.85

B.S. IN COMPUTER SCIENCE; MINOR IN MATHEMATICS

09/2018 – 03/2022

Experience

Cypris

New York, NY

SENIOR SOFTWARE ENGINEER

11/2022 – Present

- Built a large-scale vector search engine, enabling high-performance queries over 500M+ vectors, leading to 60% adoption by users
- Conducted 150+ technical interviews to find the highest value engineers across the stack, doubling my team from 6 to 12
- Overhauled authentication and authorization code by integrating Auth0, significantly enhancing product security
- Independently defined product roadmap and technical strategy, prioritized feature development and managed resource allocation
- Identified a high-impact tech debt opportunity that saved the company over \$36,000 in annual GCP spend
- Automated bug triage and ticketing process, decreasing bug resolution times from 2 sprints to 3 days
- Re-architected core systems and gathered necessary evidence to achieve SOC2 compliance in less than 3 months
- Wrote a distributed patent data platform, reducing update cadence from 1 week to <24 hours, and improving user query times by 60%

Cypris

New York, NY

FULL-STACK ENGINEER

11/2021 – 11/2022

- Developed a large-scale ETL pipeline to process 250,000,000+ research paper documents and exposed via Elastic Search
- Created a bespoke back-end API service for a critical client, generating \$25k in annual recurring revenue
- Owned the rewrite of a legacy alerting feature, including the feature ideation, ticket creation, development work, and production push
- Orchestrated a distributed, international team of 6 developers across concurrent projects using an agile framework

Undergraduate Research, AI (Dr. Brian Hutchinson)

Bellingham, WA

RESEARCH ASSISTANT

12/2019 – 10/2021

- Implemented a deep learning pipeline, trained on distributed systems, to identify star type and period from video for 10 million stars
- Funded software development of 5 models for temporal energy modeling of office buildings across two geographical locations
- Presented model results and data analysis on a weekly basis to cross-disciplinary stakeholders at Pacific Northwest National Laboratory

Projects

Autocut (Senior Project)

Python, Flask, Pytorch

GITHUB AVAILABLE UPON REQUEST

03/2021 – 03/2022

- Pioneered the integration of four pre-trained DL **Pytorch** models into an open-source, user-friendly video and audio editing tool
- Deployed a **Flask** API for orchestrating video editing workflows, including the upload process, user verification, and file management
- Developed multiprocessing code to utilize cluster compute resources for performing inference tasks in real-time

Fictionary

Python, Flask, Node.js, Express

GITHUB.COM/WWUHACKATHON2021/FICTIONARY

04/2021

- Instituted a website in 24 hours which defines any gibberish word the user inputs
- Fine-tuned OpenAI's **GPT-2** language model with 2 million samples from Urban Dictionary
- Designed the front end using **Node.js** and **Express**, with an API endpoint between the model and front end using **Flask**

Skills

Languages Python, Java, C, Typescript, SQL, Bash

Backend & Data Spring Boot, FastAPI, PostgreSQL, MongoDB, Elasticsearch, Node.js, PyTorch

Cloud & Devops GCP, Docker, Linux, Kubernetes

Honors & Awards

- 2021 **ACM Vice President;** Responsible for overseeing the activities and progress of the club
- 2021 **Hackathon 1st Place;** Best of 10 teams — Awarded by industry judges
- 2021 **WWU Computer Science Honors Program;** Studied restricted-access graduate level coursework
- 2020 **Computer Science Department Scholarship for Outstanding Achievement;** Nominated by CS faculty
- 2018 **Western Award for Excellence Scholarship;** Competitive merit-based award for incoming freshman