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*

Relevant Coursework: Computer Networks ● Computer Systems i & ii● Data Structures ● Database Systems ● Deep Learning ● Formal Languages & Functional Programming ● Grad Analysis of Algorithms ● Linear Algebra ● Object Oriented Programming ● Statistical Inference

Skills

Programming	Python, Git, Java, C, Bash, Javascript, PostgreSQL, HTML, CSS, LaTeX, MySQL
Frameworks/Libaries/Tools/Cloud	GCP, Elastic Search, Angular, Node.js, Spring Boot, MongoDB, Pytorch, Pandas, Unix, Docker

Experience

Cypris   *New York, NY*

SENIOR SOFTWARE ENGINEER   *11/2022 – Present*

- Promoted within 12 months due to strong performance and organization impact
- Conducted 40+ technical interviews to find the highest value full-stack engineer possible
- Redesigned and implemented authentication and authorization code by integrating Auth0, which significantly enhanced product security
- Led a successful upgrade from Angular 7 to 14, aligning development efforts with evolving industry standards
- Designed and built semantic search capabilities, introducing features that enabled users to query our dataset using natural language
- Directed and amplified the capabilities of an expanded development team, managing several agile projects with increased responsibility

Cypris   *New York, NY*

FULL-STACK ENGINEER   *11/2021 – 11/2022*

- Developed a large-scale ETL pipeline to process 4,000,000+ research paper documents and search via Elastic Search
- Created a slack bot for automation of tedious tasks, saving CEO 1 hour per week and CS team 10 hours per week
- Hired, trained, and managed an intern through a documentation project surrounding our onboarding and backend services
- Added a third-party endpoint to give users access to news stories and related metrics based on keyword or company queries
- Oversaw a distributed, international team of developers across several 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 weekly model results and data analysis 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 using 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**

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

LOGAN PASHBY · RÉSUMÉ