Contact

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crosleythomas (LinkedIn)
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(Personal)

Top Skills

Machine Learning

Kubernetes

DevOps

Honors-Awards

National AP Scholar With Distinction

Patents

Methods and systems for
transcription of audio data

Thomas Crosley

Technical leader in AI/ML across the full stack and product lifecycle
Seattle, Washington, United States

Summary

Engineering leader with unique ability to bridge the gap between
machine learning, production software, people management, and
customer-centric product development.

I have worked in a broad range of settings - academic and industry
research labs, two Seattle startups, two FAANG companies, and one
high-growth mid-size company.

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Experience

Amazon
Software Development Manager | AWS, Just Walk Out Technology
(Amazon Go)
April 2022 - March 2023 (1 year)
Seattle, Washington, United States

Built and led a team of computer vision software engineers that own the core
computer vision algorithms that run Amazon Go, Amazon Fresh, and Just
Walk Out Technology.
- Launched one of first batch of algorithms running on new custom-built edge
compute platform
- Led accuracy program for VP-level audience
- Owned multiple computer vision service/algorithm tracks

Axon
3 years 7 months

Software Engineering Manager
November 2020 - April 2022 (1 year 6 months)
Seattle, Washington, United States

Technical leader from Day 1 of a team formed to build a new set of
transcription-based services and features across the Axon ecosystem. We
built a new product category from nothing into a $XX/year business, powered
by one of the largest speech-to-text compute clusters in the world.

My role grew over time from IC to TLM to a Manager over both our transcription products and an adjacent team building features for case management.

(Tech Lead) Senior Software Engineer
January 2020 - November 2020 (11 months)
Greater Seattle Area

Research Engineer
October 2018 - January 2020 (1 year 4 months)
Greater Seattle Area

Facebook
Research Scientist Intern
May 2018 - August 2018 (4 months)
Menlo Park

Research Intern in FAIR, the Facebook AI Research lab.
* Developed deep learning models for action recognition in videos on the Epic Kitchens Dataset
* Implemented and trained the models using PyTorch, SLURM job scheduling, and NVIDIA DGX machines
* Preliminary results using prior knowledge of the object being acted upon showed up to 7% absolute error rate reduction in zero-shot evaluation samples

Neubay, Inc
AI/ML Software Engineer
April 2017 - July 2017 (4 months)
Greater Seattle Area

* Developed models, implemented in TensorFlow, running on AWS, and interfacing with RabbitMQ that forecasted time series data in real-time
* The models were integrated into an end-to-end demo that helped secure the company's first round of funding

Amazon Lab126
Software Development Engineer Intern
June 2015 - September 2015 (4 months)
Sunnyvale, CA

I worked with the computer vision algorithms team during the development of the Echo Look device. My project was implementing a system to track metrics of the computer vision algorithms.

Amazon Lab126
Software Development Engineer Intern
June 2014 - September 2014 (4 months)
Sunnyvale, California

• Delivered a web-based user-interface backed by a postgreSQL database for
an n-tier architecture configuration system.
• Wrote embedded firmware on a microprocessor board to connect to the web
server.
• Enhanced an existing web-interface to visualize historical data that had been
previously gathered by the system.
• Tied for first place in the Intern Concept Stream for new and innovative ideas.
• Pitched another idea up to the director level within Amazon.

Ubi Interactive
Software Development Engineering Intern
June 2013 - September 2013 (4 months)
Seattle, Washington, United States

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Education

University of Washington
Bachelor of Science (BS), Computer Science

University of Washington
Master of Science (M.S.), Computer Science

The University of Texas at Austin
Doctor of Philosophy - PhD, Computer Science