

Adin B. Solomon

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Education

Drexel University, Pennoni Honors College [Expected Graduation: June 2022]
Bachelors of Science in Computer Science (Accelerated Master's) 3.75 GPA, Dean's List

Senior Project

Digital Pathology, Project Lead, Lead ML Engineer [September 2021 - June 2022]

- Led 7-person team in strong software engineering and implementation of design patterns.
- Developed deep learning models for big-data-based sinusitis diagnosis using AWS Sagemaker.
- Abstracted model development process into containerized development environment with sophisticated tools for public use.
- Created novel algorithm for consistent random indexing of dynamically-sized collections.

Relevant Experience

Kulicke and Soffa, Computer Vision Engineer [September 2020 - March 2021]

- Researched and tested deep learning solutions for proprietary applications.
- Established infrastructure for image processing and data collection for deep learning.
- Designed and built general-purpose, highly extensible image processing shell.
- Reimplemented client application for a cross-platform framework.

Lockheed Martin RMS, Systems Engineer [September 2019 - March 2020]

- Architected GPU programming implementation with NVIDIA's CUDA for C++.
- Authored educational material for introductory and advanced GPU programming.
- Formulated original GPU programming techniques for novel algorithmic applications.
- Automated UNIX-based version control and testing procedures for the engineering team.

Children's Hospital of Philadelphia, Data Analyst [June 2017 - August 2018]

- Wrote MatLab scripts for the distillation of data tables from a driving simulator.
- Programmed analysis scripts for identification of crash timing, type, and intervention.
- Presented findings and methods before CHOP's Peer Review Team and fielded questions from experts in injury prevention research.
- Co-authored pilot study papers and grant applications.

Skills and Activities

Languages	Java, Python, C/C++, Racket, R, MatLab, HTML/CSS/JavaScript
Methodologies	Agile, Waterfall
PM Tools	Atlassian Suite, Microsoft Office, Google G-Suite
Certifications	United States Government Secret Security Clearance (Exp 2024)
Organizations	STAR Scholar, Drexel AI, DESGA MTG
Volunteering	JRA Food Delivery, SquashSmarts Tutoring

[Website](#)

[Github](#)

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[LeetCode](#)