

JONATHAN WOOLF

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10905 West 32nd Avenue
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SUMMARY

Curious and creative computer scientist with skill in efficient software development solutions. Experience in several fields of interest, from web development to deep learning to computer simulations to IOT. Hard working and driven, especially with challenging problems. Been described by coworkers as capable and high performing.

WORK EXPERIENCE

Full Stack Engineer	@ Datava	Jan 2024 – Present
Implementation Engineer	@ Datava	Mar 2023 – Jan 2024
Undergraduate Research	@ Colorado School of Mines	May 2020 – May 2021

EDUCATION

Bachelor of Science in Computer Science Colorado School of Mines, Cum Laude, GPA 3.614	August 2019 — December 2021
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SKILLS

Python	C/C++	Javascript/Typescript	JAVA	PHP
React	Nodejs	HTML/CSS	Front End & Back End	Docker
Server Management	Linux	Web Hosting	SQL	Postgres
Machine Learning	Tensorflow	NLP	Object Recognition	IOT Devices

EXPERIENCE

- Fullstack development with multiple different frameworks:
 - PHP, ExtJS and MySQL
 - ReactJS and ArangoDB
 - Sveltekit and PostgreSQL (personal favorite)
- Development of ESP and CRM software solutions
- User authentication through SSO, WebAuthn, and OTP/Two-Factor
- Multithreaded application development using C/C++
- GPU-Accelerated application development using C/C++
- JAVA GUI application and game development using OOP Principles
- High volume data processing using Data Oriented Programming (DOP)
- Game Development using Component Oriented Programming (COP)
- Android app development (Android Studio)
- Test driven development for GUI and Web applications
- Natural Language Processing with Julia and Python Tensorflow
- Collaboration with Jira, version control using Git
- Linux Server Management (Debian), including VPN, DNS, Web & Database hosting
- Network Management (Routing, Firewalls, Forwarding, Subnets)
- API Development for database authentication and communication
- Custom micro-electronics with FOSS IOT firmware to build personalized smart-home devices

PERSONAL SKILLS

Quick learner Positive attitude Hard working Sociable Cooperative Leader