

Alex 'A.J' Norton

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Security Clearance: Top Secret Full Scope Polygraph (TS/SCI)

Education 📖

Virginia Tech

Graduate

Falls Church, VA

Jan 2024 – Dec 2025 (Expected)

- Master's degree with a concentration in data science, AI, and machine learning

Virginia Tech University

Undergraduate, GPA: 3.85/4.00

Blacksburg, VA

2011 – 2015

- Computer Science Major with a Mathematics Minor; Summa Cum Laude, Phi Beta Kappa

Work 💼

Front Gate

Software Engineer II

PHP and Laravel development for TicketMaster backend systems

Remote

2022-Present

- Developed a Laravel application to manage the Front Gate ticketing system
- Created SQL queries to manage the database, Docker and Kubernetes for deployments

Saatva

Software Engineer

Ruby on Rails and React frontend/backend development

Remote

2021-2022

Thoroughcare

Software Engineer

Ruby on Rails and Vue.js Development with a small flexible team

Remote

2019-2020

- Migrated the front end from html to Vue.js
- Performed complex SQL queries for testing in RSpec

IBM

Software Engineer

Developed Watson Workspace App, integrated with IBM Watson, created real time message service in Swift and Java

Austin, Texas

2015 - 2018

- Coordinated with the Android team to submit features at the same time

Projects

RUN DMV: Local Website to display local races and clubs in the District of Colombia area.

Laravel, PHP

How I Met You: Listing and adding events in the District of Columbia

Alpine.js, Laravel, Tailwind, React

Leadership ⚡

Computer Science Teaching Assistant: Held office hours for more than 400 CS students (15 hours/week)

Eagle Scout: Major refurbishment of elementary school (100+ hours of community service)

Experience ⚙️

College Bound Mentor

DC

2023-Present

- Mentored high school students weekly, helping them with homework and college preparation

Skills 🎯

○ PHP/Laravel

○ AWS, Redshift

○ Python

○ Kubernetes/Docker