

# Alex 'A.J' Norton

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## Education 📖

### Virginia Tech University

Graduate

Falls Church, VA

Jan 2024 – Present

- 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 inRSpec

### 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

○ Python

○ Tailwind/React/Alpine.js

○ Ruby