

# Kane Aldrich

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<https://kanealdrich121.github.io/MySite/>

## SUMMARY

I'm newly graduated from the University of Virginia School of Engineering and I am looking for an opportunity in backend software development. I'm highly motivated, having maintained a high GPA despite rigorous academic and athletic schedules, am experienced in quickly learning new technologies, and am an enthusiastic team player.

## EDUCATION

**University of Virginia School of Engineering** - Charlottesville, VA. December 2023

- Masters of Computer Science 3.9 GPA

**University of Virginia College of Arts & Sciences** - Charlottesville, VA. May 2022

- BA in Computer Science 3.6 GPA

## WORK EXPERIENCE

**American Systems Internship:** June 2023–December 2023

- Learned and adapted to an unfamiliar engineering environment in Aerospace Engineering to develop and contribute software to classified projects involving helicopter autopilot.

## PROJECTS AND RELEVANT COURSEWORK

**Chess Engine:**

- Developed without the use of imported libraries a chess engine in C++ capable of defeating low to mid level bots on chess.com. I also did this in Python but transitioned to C++ for the more optimized implementation.

**Meal Recommender AI:**

- Used a regressive random forest algorithm and knowledge based filter to create an AI agent which recommends 3 meals a day to the user based on their nutrient requirements and weight loss/gain goal.

**Advanced Software Development:**

- Worked in an agile team environment to develop an online recipe website in Django.

**Algorithms:**

- Learned to create and understand algorithms through both Divide and Conquer and Dynamic Programming.

## Athletics/Leadership Experience:

- D1 Varsity Track and Field Athlete (2018–2022):
- Developed leadership and time management skills by balancing both the demands of earning a BA in Computer Science with the vigorous athletic schedule of a D1 athlete on the Track and Field team.

## SKILLSET & TECHNOLOGIES

**Programming Languages:** Python, Java, C++

**Technologies:** Git, MySQL, AWS

**Concepts:** Test Driven Development, Agile Development