

Andrew Benjamin Demma

10718 Arlington Lane, Orland Park, IL | andrew.demma@duke.edu | (708) 645-6298
<https://www.linkedin.com/in/andrew-demma-060a33188/>

Education

Duke University, Bachelor of Science *Durham, NC*

Expected Graduation Date: May 2023

Electrical and Computer Engineering and Computer Science

GPA: 3.73/4.00

Honors: Dean's List with Distinction (1 Semester)

Relevant Coursework

Operating Systems

- Analyzed topics such as concurrency, facilitation of storage, and data protection in computer software
- Collaborated in teams to write code replicating the fundamentals of operating systems

Applied Cryptography

- Explored foundations of modern cryptography to evaluate security in computation and consensus methods
- Contributed to research-based blog posts and research papers in partner groups

Engineering Design and Communication – The Eye Dropper Assist

- Cooperated with a UCLA Ophthalmologist to solve a problem in child eye care
- Created eye dropper assist device to aid in the dispensing of child eye medication
- Utilized the engineering process, CAD software, and project planning to iterate project designs

Computer Architecture

- Employed C and RISC-V scripts to simulate computer system implementations
- Constructed a basic CPU through Logisim, demonstrating the instances of the instruction cycle

Work

Code Ninjas, - 5P Business Solutions, LLC, Homer Glen, IL

May 2020 – January 2021

Code Sensei

- Singlehandedly established the fundamentals of computer science for students aged 5-14
- Developed multiple curriculums for STEM summer camps to incorporate the inner workings of Minecraft and Roblox as vehicles to teach coding basics

Richard Allen Companies, LLC, Hickory Hills, IL

January 2018 – January 2019

Student Accounting Intern

- Assisted the head accountants in organizing and preparing financial summaries for companies
- Refined skills in Microsoft Excel and Microsoft PowerPoint to present financial information

Activities

Marching Band Drumline – Freshman Representative, Duke University

August 2019 – Present

- Represented new members via leadership meetings
- Rehearsed for six hours weekly, to perform at all home football and basketball games

Drama Club – Historian and Vice President, Amos Alonzo Stagg H.S.

August 2015 – May 2019

- Organized meetings for club executives and the club as a whole
- Acted and designed sets in over 20 productions including *Chicago* and *Little Shop of Horrors*

Skills and Interests

Programming Languages

- C, C++, Java, Python, RISC-V, MATLAB

Software Experience

- Autodesk Fusion 360, Arduino, Logisim

Interests

- Arranging acapella music, drum set, rollerblading, basketball, consumer PC hardware