

# Collin Streitman

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## EDUCATION

**Appalachian State University, Boone, NC**

Bachelor of Science in Computer Science

Minor: Computer Information Systems

Cumulative GPA 3.55/4.0

**Anticipated Graduation May 2024**

Dean's List 2022, 2023

Chancellor's List 2021

## *Study Abroad*

**June 2023–August 2023**

**Oriel College, Oxford University, Oxfordshire, United Kingdom**

- I enhanced my academic path at Oriel College, Oxford University, through an intensive AI course that deepened my grasp of its complexities and expanded my practical skillset for modern technological applications.

## EDUCATIONAL EXPERIENCE

- Experienced in both **R Studio** and **SAS** from a statistical analysis course where I evaluated extensive datasheets and summarized information for graphical and statistical analysis and learned how to implement these skills within a profession
- Studied business leadership and managerial strategies in a **project management** course where I got the opportunity to explore the challenges of leading a team in software development and learned beneficial skills implemented in a professional setting to guarantee the success of a project
- Completed multiple courses in **database development**, where I gained experience coding **SQL** through numerous platforms, **including Microsoft Access**
- Developed my programming skills using **Python** in a programming solutions course where I designed and implemented an application to read data from a complex webpage and sorted the data into a formatted **Excel** spreadsheet
- Highly experienced coding in **Java** during foundational computer science courses studying the fundamental basics of object-oriented programming, and learning how to design simple programs in **Assembly Language**
- Proficient in **C** and **C++** from multiple core computer science courses and completed a massive 6-month project in C where I emulated a Y86 Processor
- Gained experience in web development from a single-page applications course where I coded in **JavaScript, TypeScript, and CSS** to develop complex websites
- Highly knowledgeable of **MacOS, Linux, and Windows** operating systems

## PROJECTS

### **Student Leadership Website**

- Led the independent development of a comprehensive website facilitating communication and coordination among university-affiliated student-led leadership organizations, such as the National Residence Hall Honorary and the Residence Hall Association.
- Implemented a dynamic blog for fostering student interaction and project showcasing, accompanied by a robust account system enabling secure user logins.
- Orchestrated end-to-end responsibilities encompassing frontend design, backend logic, user role assignment, form data integration for email communication, chat system integration, link embedding, and proactive blog management.
- Provided tailored training for executive members and housing officials, ensuring smooth site maintenance and user-friendly customization for future adoption.

### **SoftGel Pills**

- Collaboratively engineered a Java-based Point of Sale (POS) system for a pharmacy within a multidisciplinary team of six computer science students, employing advanced methodologies including Pair Programming and SCRUM framework.
- Leveraged version control tools like GitHub to streamline seamless collaboration and project planning, enhancing code quality and team efficiency.
- Devised and executed comprehensive test suites tailored to validate code integrity, while efficiently managing iterative development through task segmentation in agile sprints, with rotational role assignments to optimize skill utilization and project progress.

### **Y86 Processor Emulation**

- Developed a Y86 Processor emulator in C, enabling accurate simulation of its instruction set and architecture.
- Implemented a functional pipeline to replicate the processor's fetch-decode-execute stages, enhancing understanding of low-level hardware operations.
- Validated the emulator's accuracy through comprehensive testing, contributing to a deeper grasp of computer organization and architecture principles.

### University Housing Application

- Coded a multi-page website featuring an adaptive application form for university housing, dynamically adjusting its content based on user input flow and displaying accurate semesterly costs after submitting.
- Utilized Angular framework to implement the intricate form, harnessing CSS, TypeScript, and Java to ensure seamless interactivity, file organization, and user experience.
- Demonstrated proficiency in Single Page Applications by delivering a comprehensive final project, showcasing technical prowess in designing complex, responsive web interfaces.

## WORK EXPERIENCE

### ECR Software Corporation | Boone, NC

September 2023-Present

#### Part-Time Jasper Reports Developer

- Uses TIBCO Jaspersoft Studio, Java, and T-SQL to develop reports for customers.
- Works with the ECRS CATAPULT® system to create data for QA testing.
- Tests reports thoroughly to ensure each report meets company and customer standards.
- Interfaces with customers to ensure their satisfaction with delivered reports.

### Department of Housing | Appalachian State University, Boone, NC

August 2021-Present

#### Resident Assistant (RA)

- Mentors and assists students from diverse backgrounds with a wide variety of needs while living on campus
- Serves on call as a crisis manager and assists in documentation and follow-up with students
- Collaborates with a whole staff of RA's to meet the general needs of students in the building and the needs of each other

### Career Development Office | Appalachian State University, Boone, NC

January 2023-Present

#### Career Guide

- Educates and collaborates with students on how to build a resume and cover letters appropriate within their field
- Guides students through career and major exploration utilizing departmental resources to assist in the process
- Assists students with applications, taking professional headshots, and managing career fairs across campus

### Department of Orientation | Appalachian State University, Boone, NC

January 2022-August 2023

#### Student Orientation Undergraduate Leader (SOUL)

- Advises first-year and transfer students through orientation and the first month of school
- Cooperates with advising to assist in the registration of classes for incoming students and the planning of schedules
- Leads faculty, students, and families through the orientation process and provides general counsel
- Mentors new orientation leaders and facilitate departmental presentation to assist with training

### Department of the Dean of Students | Appalachian State University, Boone, NC

July 2022-August 2023

#### Office Assistant

- Responsible for scheduling appointments with the Student Legal Clinic, Student Conduct, and Case Management
- Responds to phone calls and provides reliable and experienced crisis management when necessary for any call or walk-in
- Provides general support around the office with departmental tasks

## EXTRACURRICULAR ORGANIZATIONS

### Association of Information Technology Professionals (AITP)

2021-Present

#### Associate

- Takes part in several local community service and fundraising activities and facilitates presentations from CIS and CS-related businesses from all over the state

### National Residence Hall Honorary (NRHH)

2021-Present

#### Recognition Chair

- Participated in various community service and recognition events hosted by our campus' Alpha Sigma Upsilon of NRHH, part of the national organization NACURH affiliated with the Alpha Sigma Upsilon fraternity
- Plans and leads events throughout the year to recognize university officials' hard work and dedication, including the 'Facilities Breakfast' where over 80 housekeepers, maintenance workers, and support staff are recognized across campus
- Coordinates and carries out the entire 'Of The Month' process each month which hundreds of individuals across the community submit recognition letters that are then voted on and processed before being sent to NACURH to be reviewed
- Collaborates with university officials in numerous departments to help plan end-of-year banquets for administration