

Ethan P. Mancini
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SUMMARY

Energetic and passionate college student working towards a BS in Statistics with a Computer Programming Minor at North Carolina State University. Professional interests include data analytics, statistical analysis, computer programming, machine learning and artificial intelligence. Seeking a summer internship to enhance my skills and knowledge in these areas while gaining relevant real-world experience in a business setting.

EDUCATION

North Carolina State University – Raleigh, NC

Bachelor of Science in Statistics; Computer Programming Minor – Expected Graduation May 2022

- GPA: 3.46 Cumulative; 3.50 Major
- Honors: Dean's List (Fall 2020)
- Relevant coursework completed in Math (MA) and Statistics (ST)
 - MA 225 (Foundations of Advanced Math); MA 242 (Calculus III); MA 341 (Differential Equations); MA 405 (Linear Algebra); ST 307 (Intro to Statistics Programming – SAS); ST 312 (Intro to Statistics II); ST 370 (Probability and Statistics for Engineers); ST 421 (Intro to Math Statistics I)
- Relevant coursework completed in Computer Science (CSC)
 - CSC 113 (MATLAB); CSC 116 (Intro to Computing – Java); CSC 216 (Programming Concepts – Java); CSC 226 (Discrete Math); CSC 230 (C & Software Tools); CSC 236 (Computer Organization & Assembly)
- Spring semester 2021 courses (scheduled)
 - ST 308 (Intro to Statistics Programming – R); ST 422 (Intro to Math Statistics II); ST 430 (Intro to Regression Analysis); ST 431 (Intro to Experimental Design); CSC 246 (Concepts of Operating Systems); Africana Studies 346 (Black Popular Culture)

Extracurricular Activities

- NCSU Artificial Intelligence (AI) Club (Fall 2020 – Present)
 - Attend club meetings and guest speaker presentations
 - Working on group project utilizing concepts of data analytics and machine learning to recommend news articles to the end user
 - Working with an officer of the club to develop a new club website
- American Statistical Association (Fall 2020 – Present)
 - Student member of North Carolina Chapter

Wakefield High School – Raleigh, NC

Graduated June 2018

- GPA: 3.96/4.00 (4.83 weighted)
- Class rank: 26/471 (top 5.5%)
- Inducted into National Honor Society and Mu Alpha Theta (Math Honor Society)
- Earned AP credit for the following NCSU courses: MA 141 (Calculus I); MA 241 (Calculus II); ST 311 (Intro to Statistics)

PROFESSIONAL CERTIFICATIONS

- Certified Associate in Python Programming (PCAP) – Scored 87% on the PCAP-31-03 exam
- Pursuing SAS Certified Associate certification (exam date TBD)

COMPUTER SKILLS

Programming Languages

- *Beginner:* MATLAB, C#, Shell
- *Intermediate:* HTML, CSS, JavaScript, C/C++, SAS
- *Proficient:* Assembly (Intel 8086), Java, Python

Programming Libraries

- *Python:* Proficient with Django, Django REST Framework and Beautiful Soup; Familiar with Celery, Pandas, Matplotlib, scikit-learn and NumPy
- *JavaScript:* Proficient with Vue.js; Familiar with jQuery
- *CSS:* Familiar with Bootstrap

Miscellaneous

- Familiar with many key programming concepts including object oriented and functional programming, finite state machines, the model-view-controller design pattern, test-driven development, and algorithm complexity
- Completed group projects with Git/GitHub for collaboration and Jenkins for test automation
- Intermediate understanding of full stack development with Docker and Docker Compose
- Introductory understanding of machine learning and artificial intelligence
- Completed JetBrains Academy Python and Web courses
- Familiar with SSH, the Linux terminal and common command line operations
- Designed and built 5 personal computers for myself and family members

WORK EXPERIENCE

Cobble Hill Bed & Biscuit (August 2016 – July 2018)

Kennel Technician

- Animal care and enrichment; facility upkeep; train new employees on operating procedures

VOLUNTEERING & COMMUNITY SERVICE

Melanoma Education Initiative (2011-2017)

- Supported this 501(c)(3) public charity in its efforts to educate the public (primarily middle school and high school students) about prevention and early detection of melanoma, the deadliest form of skin cancer
- Assisted with planning and execution of fundraising events (e.g., silent auction; annual 5k race); participated in community events; redesigned informational brochure (including graphic design)

Duke Lemur Center

Camp Counselor (July 2016)

- Counselor-in-Training at the Duke Lemur Center Summer Science Camp

INTERESTS & HOBBIES

- Technology – programming, building computers, Raspberry Pi
- Digital music production
- History