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EDUCATION

University of Georgia - Graduate, 2020 - 2021

Athens, GA

- Master of Science in Business Analytics (GMAT: 680/800)

University of Georgia - Undergraduate, 2016 - 2020

Athens, GA

- Majors: Computer Science and Physics
- Honors College, 3.8/4.0 GPA

Georgia Institute of Technology, 2015 - 2016

Atlanta, GA

- One of eleven students selected from West Forsyth High School (Class of 562)
- Dual-enrolled in both Calculus II and Calculus III, 3.5/4.0 GPA

SKILLS AND CERTIFICATIONS

Languages / Frameworks / Skillsets

- Proficient in Java, C++, C, Python, LaTeX, Spring Framework, Agile and Waterfall Development Processes
- Experience in JavaFX, JavaScript, PHP, MySQL, HTML, CSS (Bootstrap), Swift and Fortran

Environments / Software

- Skilled in GitHub, GitLab, JetBrains Toolbox, Atom, Eclipse, Xcode, Visual Studio, Terminal, Word, PowerPoint and Excel

WORK AND PROJECT EXPERIENCE

CS Project – Personal Website, *Creator*, Athens, GA

February 2020 - Present

- Using HTML, CSS, and JavaScript I am constructing a personal website displaying my different projects and plan to later start a blog for posting relevant articles and videos related to my current work and interests: <https://troy-crawford99.github.io>

UGA Small Satellite Research Lab, *Flight Software Engineer*, Athens, GA

October 2019 - Present

- Designing and implementing flight software for the Multiview Onboard Computational Imager (MOCI) mission, a CubeSat funded by the Air Force Research Laboratory, which uses near real time onboard computing and structure-from-motion imaging to reconstruct Earth's landscape, primarily coastal features: <http://www.smallsat.uga.edu/>

CS Project – Financial Web Crawler, *Leader*, Athens, GA

August 2019 - Present

- Using Python (w/ BeautifulSoup) and MySQL I am constructing a web crawler that gathers updates to various stocks of interest so different investment patterns can be tested and analyzed for future personal use.

CS Projects, *Team Member*, Athens, GA

January 2019 - July 2019

- Put together a RESTful web service designed for suicide prevention using the Twitter API, JavaScript, PHP and MySQL
- Utilized the Spring MVC framework (Java) to create an online bookstore using Bootstrap, Hibernate ORM and MySQL

COLLEGE COURSEWORK AND EXTRACURRICULAR ACTIVITIES

Physics Courses

- **Completed:** Classical Mechanics I, Electricity and Magnetism I, Modern Optics with Lab, Electronics, Quantum Mechanics I and Quantum Mechanics II
- **In Progress:** Thermodynamics, Introduction to Small Satellites

Computer Science Courses

- **Completed:** Scientific Programming (Python), Software Development (Java/JavaFX), Systems Programming (C++/Linux), Discrete Mathematics, Theory of Computation, Software Engineering (Spring Framework), Data Structures (BSTs, etc.) and Web Programming (JavaScript/HTML/CSS/PHP/MySQL), Computer Architecture Organization, Computer Networks
- **In Progress:** Cyber Security (Shell/C++), Database Management (More SQL, Relational Algebra, etc.)

Clubs, Events and Other Organizations

- ACM, Deep Learning @ UGA, Data For Good, Data Dawgs, HackGT 6, UGAHacks 5, Pi Kappa Phi, UGA Miracle