STEVEN DEFALCO

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EDUCATION

Stevens Institute of Technology — Hoboken, NJ
Bachelors of Science in Computer Science, GPA: 3.85 — *Sep. 2021 – Present*

Coursework: *Data Structures, Algorithms, Computer Architecture, Statistics, Discrete Math*

Marine Academy of Science and Technology — Highlands, NJ
GPA: 96.5/100, Activities: Key Club, National Honor Society, NJROTC — *Sep. 2017 – Jun. 2021*

EXPERIENCE

Stevens Institute of Technology — Hoboken, NJ
Computer Science Course Assistant — *Sep. 2022 - Dec. 2022*

- **Python**: Within a 15 week semester taught Undergraduate Computer Science students fundamental programming concepts including data types, recursion, iteration, basic sorting algorithms, and object oriented programming.
- **Communication**: Collaborated with 8 colleagues and a Teaching Assistant Professor to develop an effective, well-paced, and highly regulated curriculum to promote a high quality learning environment.
- **Management/Organization**: Hosted one 2-hour lab session and two-hours of open office time each week to answers students' technical questions, review material, and demonstrate coding examples. Graded weekly homework/lab assignments and exams.

Pixel Light Digital Media — Lyndhurst, NJ
Quality Control & Software Testing Intern — *Jun. 2022 - August 2022*

- **AI Facial Recognition Optimization**: Conducted precise tests on subsequent software versions to evaluate the distance-reading accuracy of faces in 2-Dimensional space with respect to the camera. Analyzed data for trends; interpreted results and reported findings to developers. Accomplished a xx% increase in relative accuracy while spearheading the testing; final product is accurate with a true margin of error of xx%.

COURSEWORK

Deep Learning: Graduate-level course with a focus on the design and implementation of modern deep learning models.
Learned: *ML, Computer Vision, Natural Language Processing, Convolution*   Used: *TensorFlow, Keras, Numpy*

Software Development Process: Course covering essentials of the developing better software in less time.
Learned: *Development Life Cycles, Archiecture and Design, Development Methoodoliges*   Used: *GitLab Ultimate*

Systems Programming: Course covering essentials of systems programming in C on UNIX systems.
Learned: *Version Control, Network Protocol, UNIX Syscall Interface, Inter-Process Communication*   Used: *C, UNIX*

Operating Systems: Course covering the internals of and programming interface of modern operating systems.
Learned: *Processes, Concurrency, Programming with Threads, Memory Management*   Used *C, Debian OS*

SKILLS AND TECHNOLOGIES

Languages: Python, C++, Java, R   **Technologies**: Latex, Git

EXTRACURRICULARS

Alpha Sigma Phi Fraternity: description