Stephen Hunter Barbella

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Education

Vanderbilt University, Nashville, TN   **May 2021**
Bachelor of Science, Computer Science
Minor: Engineering Management
Major and Minor GPA: 3.63/4.00
Selected Completed Coursework: Intermediate Software Design, Computer Organization, Program Design and Data Structures, Methods of Linear Algebra, Introduction to Probability and Statistics, Applied Behavioral Science
Selected in Progress Coursework: Programming Languages, Discrete Structures, Principles of Operating Systems I, Technology Strategy

Syosset High School, Syosset, NY   **June 2017**
Final GPA: 98.5/100
Selected Coursework: Advanced Placement (AP) Computer Science, AP Calculus BC, AP Physics C
Selected Extracurriculars: Syosset Rowing Club Varsity Captain, Varsity Swim Team, Tri-M Music Honor Society

Professional Experience

Saavn LLC, New York, NY   **July 2018 – August 2018**
Strategy and Operations Intern
- Assisted the Chief Operating Officer and the Chief Executive Officer with research
- Audited business plans and helped implement the OKR Framework
- Researched software solutions for streamlining operations
- Created a weekly strategy newsletter for C Level employees

Saavn LLC, New York, NY   **August 2016**
Product Development Intern
- Researched into possible integrations with new technologies
- Worked with PHP and Python to automate tasks for the Vice President of Product
- Built a proof of concept web app for a potential product

Leadership Experience

Vanderbilt Free and Open Source Society, Nashville, TN   **May 2018-Present**
Cofounder and Treasurer
- Chartered the club and helped manage the funds of the organization
- Assisted in educating new members about free and open source software and how to contribute

Projects

NextSlide | VandyHacks V | Python 3, Regex, tkinter   **November 2018**
- A presentation tool that parses PowerPoint files and allows for automatic slide changing from vocal recognition

Blindfold Me | VandyHacks IV | HTML, CSS, Bootstrap, JavaScript   **October 2017**
- An automation tool for scheduling a night out on the town and scheduling transportation using ride sharing

Image2Sound | MLH Local Hack Day | Java, C++, Python   **December 2017**
- An app to convert image files into music based on their color scheme

Technical Skills

- Proficient in C++, Java, Python, C, HTML, CSS, PHP, Arduino Programming Language, Bash, and BATCH
- Proficient in Microsoft Word, Microsoft Excel, Git, GDB, Travis-CI, and GitHub
- Can work in a Linux, BSD, Mac OS, or Windows environment
- Conversant in the Italian language