

# Stephen Hunter Barbella

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## Education

**Vanderbilt University**, Nashville, TN  
Bachelor of Science, Computer Science

**May 2021**

**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