VINCENT BARILA

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EDUCATION

University of Miami, Coral Gables, FL
Bachelor of Science in Electrical Engineering   **May 2016**
3.4 GPA; Dean's Scholarship, Clearview Cinemas Undergraduate Scholarship

RELEVANT COURSES

Electronics I & II, **Signals & Systems**, **Communication Systems, Processors**, Solid-State Electronics, Semiconductor Photonic Devices, **Logic Design**, **Structured Digital Design Lab**, **Object Oriented Data Structures in Java**, **Big Data Programming in Apache Hadoop**, **Data Structures in C++**, Electromagnetic Field Theory, Engineering Acoustics, Applied Probability & Statistics, University Physics I-III, Calculus I & II, Linear Algebra, Ordinary Differential Equations, Chemistry I for Engineers

SENIOR PROJECT

- Constructed a safer prototype of the self-balancing "Hoverboard" electric scooter using IMU's, Arduinos, and C++ code
- Designed mechanical and structural aspects and used Arduino code to regulate inputs and outputs of electrical components

WORK EXPERIENCE

Bayview Asset Management, Coral Gables, FL, Automation Development Manager   **August 2018 to present**
- Managed a department responsible for over 460 automations which saved the firm $55 million over 6 years
- Monitored and supported up to 200 automations in production and interviewed, trained, and mentored junior developers
- Designed and developed over 30 automations in UiPath and oversaw integration with various departments
- Documented automation solutions and instructions for triggering bots in UiPath Orchestrator/Service Now as well as troubleshooting
- Provided architectural feedback on and orchestrated various proofs of concept for both RPA and non-RPA initiatives
- Liaised high level executives with various technical teams to streamline both internal and external collaboration

Sterling Medical Devices, Rochelle Park, NJ, System Engineer   **July 2016 to July 2018**
- Executed system level test protocols for test tool validation, software testing, and circuit level hardware analysis
- Created documents including software requirement specifications, traceability matrices, and V&V protocols and reports

US Standard Products, Englewood, NJ, Transfers Rep/Cost Analyst   **June 2012 to January 2013, June 2014 to August 2015**
- Analyzed and implemented cost saving techniques which saved the company thousands annually
- Communicated with prospective clients and promoted company product in a professional manner
- Motivated and trained newly hired representatives in company software and practices

LEADERSHIP

Alpha Epsilon Pi - Lambda Deuteron, Brother at Large

- Officially mediated disputes and advised brothers regarding their personal issues
- Managed the chapter's disciplinary procedures and dealt with individual cases on the disciplinary board
- Only brother to have been elected to this position twice

HONORS/ACTIVITIES

- Dean's List
- UMTV's *Off the Wire*, VSR Operator
- Alpha Epsilon Pi - Lambda Deuteron; Philanthropy Committee, Alumni Committee
- Chosen to join Eta Kappa Nu, IEEE's honor society for ECE students of outstanding academic performance and character

SKILLS

Languages: Intermediate Italian, Conversational Spanish
Software/Programming: C++, Java, Python, VB .NET, UiPath, QASM, Azure, APIs, JSON/XML, SQL/VB Access, MARS, AutoCAD, Apache Hadoop, Eclipse, Visual Studio, MATLAB, Abbyy Finereader, Service Now, OpenBots, Alteryx

Certifications: UiPath Developer Advanced, MIT Introduction to Quantum Computing, MIT Quantum Computing Fundamentals , Agile SDLC

US Citizen, Italian Citizen