**First Last**

1234 Resume Road, Binghamton, NY 12345

(123) 456-7890 | resume1@binghamton.edu

**Education:**

**Binghamton University, State University of New York**, **Watson College**

*Bachelor of Science in Electrical Engineering* **May XXXX**

Cumulative GPA: X.XX/4.00 | Dean’s List: Fall 20XX, Spring 20XX

IBM Honors Scholarship 20XX

Tau Beta Pi Engineering Honor Society | Phi Eta Sigma Honor Society

**Technical Skills:**

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| --- | --- | --- | --- |
| * LabWindows/CVI | * Visual C# | * Eagle PCB | * Soldering |
| * C/C++ | * MATLAB | * OmniUpdate | * Basic UNIX |

Technical Courses: Communications, Junior Design, Electromagnetics, Control Systems, Signals and Systems, Semiconductor Devices, Electronics, Sustainability by Design, Computer Organization and Microprocessors, Circuits, Programming for Engineers I and II…Current Courses: *Senior Project I, Biosensors and Bioelectronics, Electric Power Systems*

**Professional Experience:**

**National Institute of Standards and Technology (NIST) – Physical Measurement Laboratory (PML) Maryland, MD**

*Summer Undergraduate Research Fellowship* **May XXXX – August XXXX**

* Developed Smart Grid Test Facility prototype laboratory within Power Device Metrology Group of PML
* Configured the Home Area Energy Network (HAN) to incorporate Power Conditioning System (PCS), Energy Management System (EMS), battery storage, solar cell emulator, and programmable load interfaced to PC
* Implemented Graphical User Interface (GUI) in LabWindows/CVI to control programmable load parameters, show live output parameters, and log outputs to .csv file utilizing asynchronous timers and integrated device drivers

**Lawrence Aerospace – Liquids Dynamic Division New York, NY**

*Software Intern* **May XXXX – August XXXX**

* Utilized object-oriented programming and GUI concepts to develop an application in Visual C# that decodes 128KB of raw data from the Non-Volatile Memory into readable fault information, which resulted in discovery of code issues regarding packet data transmission and decoding
* Devised test procedures of both high and low level program requirements of Bombardier C-Series main fuel-gauging computer to validate software requirements to be used by quality assurance engineers and customer

**Project Experience:**

**Senior Design: Magnetic Field Mapper Binghamton, NY**

*Team Member*  **September XXXX - Present**

* Collaborate in multidisciplinary team of four, to design, implement, and test a magnetic field mapper intended for biomedical applications

**Junior Design Binghamton, NY**

*Team Member*  **January XXXX – May XXXX**

* Tested and successfully built robot that navigates board through line-tracking technology while communicating with nodes via infrared (IR) LED and compiled final design into professional report
* Designed and populated 2-layer PCB using Eagle software, which consisted of schmitt triggers for hysteretic line tracking, power management, and IR module

**Leadership and Involvement:**

**Watson Career and Alumni Connections Binghamton, NY**

*Student Assistant* **October XXXX - Present**

* Organize layout and content of career services website, in OmniUpdate, that will provide resources and opportunities for students and alumni of Watson College
* Advise students on résumé, interviewing, and professionalism skills necessary for successful and rewarding career path
* Coordinate networking events and meetings for undergraduate and graduate students to meet and learn from professionals and faculty that have experience in engineering

**Binghamton Nicaragua Initiative (BNI)** **Binghamton, NY**

*Member* **January XXXX – April XXXX**

* Generated over $1500 in donations to fund construction of house in Nicaragua through soliciting family, friends, as well as the student body at campus-wide events which resulted in enough money to fund an entire house
* Cultivated language and communication skills during alternative Spring break trip by contributing to construction of house and traveling around the cities of Managua, Léon, and Granada