First and Last Name

Address | Email | Phone

LinkedIn | Coding Website

**OBJECTIVE:** Seeking a full time position, where I may use my engineering background and business skills to further company growth.

**EDUCATION:**

State University of New York at New Paltz, New Paltz, New York

**Bachelor of Science in Computer Engineering, Minor in Business Administration** **Graduation date: May 2019**

GPA 3.51/4.0

# RELEVANT COURSES:

|  |  |  |
| --- | --- | --- |
| * Microprocessor System Design * Computer Architecture * Computer Science I & II * Data Communication * System on Chip | * Embedded Systems * Circuits Analysis * Software Engineering * VLSI Design * Functional Verification | * Internetworking * Electronics I * Embedded Linux * Digital System Design * Real Time Operating System |

**KEY SKILLS**

* **Programming Languages:** Java, Python, C++, C, R
* **Online Course:** CS50 edx, Deep learning for coders
* **Additional Technologies:** SQL, XML, Perl, AWS, REST API Web Services
* **Tools and Operating Systems:** Git, Eclipse, Putty, Arduino, Postman, Linux
* **Libraries and Software:** JavaFX, Azure, JFree, Scikit-Learn, TensorFlow, RankLib, TrecEval, Weka, MapReduce
* **Database:** Oracle 10g, MySQL
* **Competition/Challenge:** NASA RMC’18, Microsoft graph security hackathon

**PROJECTS:**

**Passage Retrieval Using Knowledge Graphs and Clustering Methods October 2017 – November 2018**

* Preprocessing, clustering similar paragraphs using supervised hierarchical agglomerative clustering and mapping them with section headings which can be applied to structure (ex: Wikipedia) to extract from anchor text topics.
* Implementation involves Information Retrieval, Data Science and machine learning methods, evaluation measures, TREC CAR’18 dataset and Lucene 7.2.0 API. Submitted to ACM SIGIR 2018.
* Worked on autoencoder on mapreduce to enable functioning of methods from local memory.

**Predicting Time Interval to Replace SITL for NASA’s Magnetospheric Multiscale Mission March 2018 - May 2018**

* Used Machine Learning methods logistic regression, Support Vector Machines, LDA, Random Forest to train a classifier to find highly prioritized time duration for which detailed MMS data should be downloaded.

**Insulin Regularization Using Reinforcement Learning October 2017 - December 2017**

* To learn an effective reinforcement learning method to keep glucose in tolerable region while avoiding severe hypo and hyperglycemia. Implementation involves SARSA and Proportional Integral Derivative (PID) Methods.

# EXPERIENCE:

# Academic Computing, SUNY New Paltz, New Paltz, NY Lab Proctor Jan. 2014 – Present

* Help students with computer related issues
* Maintain the printer such as loading paper, changing the toner and fixing paper jams to ensure its functionality
* Maintain a quiet environment in the computer labs

**Field Engineering Department, Otis Elevator Company, Bloomfield, CT Engineering Intern Jun. 2015 – Aug. 2015**

* Use PWM on the Arduino Uno microcontroller to control sensors on an escalator simulator
* Test and troubleshoot the Compass System
* Create macros to extract some information from Excel worksheets and import that data into an Access table

# Engineering Department, SUNY New Paltz, New Paltz, NY Teaching Assistant Feb. 2015 – May 2015

* Supervised and helped the students in the digital logic laboratory
* Graded weekly reports