

Matthew Levine

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Education

B.S in Electrical Engineering / M.S in Information Technology

Graduating: May 2021

Rensselaer Polytechnic Institute, Troy NY

Dean Honor List: Spring 2020

Relevant Courses:

- Communication Systems, Microprocessor Systems, Internetworking of Things, Data Structures, Data Science*, Database Systems*, Information System Security* (all * will be taken this year)
- Introduction to Self-Driving Cars, Programming with Google Go Specialization (Taken on Coursera)

Engineering Experience

Mobile Development Lead

Oct 2019 – Present

Edibubble

- Constructed Xamarin mobile app in C# applying the MVVM pattern
- Implemented 10+ custom views following designer mockups for both android and IOS applications
- Consumed AWS serverless services through RESTful APIs with API Gateway and Lambda
- Documented design progress, meeting scheduling, and task completion for a team of 5

Power Engineering Intern

May 2019 – Aug 2019

Jacobs Engineering Group Inc.

- Designed one-line diagrams representing complicated electrical distribution system for 3 Amtrak stations
- Calculated arc flash hazards, load flow and cable pullings to help mitigate harm to workers operating transformers
- Improved safety and reliability of the MTA Power Lines System
- Collaborated with structural, mechanical and architectural teams on over 80 power designs for Revit floor plans

Research Lead – High Speed Data Modulation Lightbulb

Sep 2018 – Jan 2020

Rensselaer Polytechnic Institute – Johnson Engineering Center

- Led research and development team of 4 for Light Fidelity solutions in healthcare
- Developed data modulation technology for large scale data transfer of up to 1Gbps
- Applied for provisional patent through Rensselaer Polytechnic Institute

Leadership

External Relations Chair

May 2019 – May 2020

Philippine American League

- Convoked general body meetings showcasing cultural events and activities for 90+ members
- Collaborated with other organizations and administration to create a diverse community

Career Fair Corporate Reception Understudy

Apr 2019 – Nov 2019

Society of Hispanic Professional Engineers (SHPE)

- Planned corporate reception for 100 staff members and recruiters
- Ensured recruiter satisfaction leading to over \$100,000 in revenue for our organization

Outreach Weekend Recruiting Associate

Nov 2018 – Apr 2019

Society of Hispanic Professional Engineers (SHPE)

- Contacted 50 students from 8 schools in the Manhattan borough
- Voted second best staff member out of 15 male staff members

Skills

Programming Languages

C, C++, C#, Python, Go, PostgreSQL

Web Development

.NET, React, AWS, GCP, JavaScript

Game Development

Unity, PyGame, Lua, Love2D

Embedded Software

I2C, SPI, DMA, ADC, DAC, USB, UART

Machine Learning

TensorFlow, Scikit, OpenCV, Keras

Internet of Things

WebSocket, NS3, WIFI 6