Matthew Levine

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Education

Bachelor of Science in Electrical Engineering	Graduated: May 2020
Rensselaer Polytechnic Institute, Troy NY	Dean Honor List: Spring 2020

Relevant Courses:

    Communication Systems, Microprocessor Systems, Fundamentals of Solid-State Lighting,
    Data Structures, Electric Energy Systems, Internetworking of Things (IoT), Algorithm (Stanford Online)

Engineering Experience

Mobile Development Lead   Oct 2019 – Present
Edibubble

- Constructed Xamarin mobile app applying the MVVM pattern
- Implemented 5+ 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 1Gpbs
- 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
- Assembled guest gifts and staff awards

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
- Guided winning team for Digital Circuit Design and Implementation

Skills

Programming Languages	Web Development	Game Development
C, C++, C#, Python, Go	.NET, React, HTML, CSS, JavaScript	Unity, PyGame, Lua, Love2D
Embedded Software	**Machine Learning**	**Internet of Things**
I2C, SPI, DMA, ADC, DAC, USB, UART	TensorFlow, Scikit, OpenCV, Keras	WebSocket, NS3, WIFI 6