

Luke Michalakakis

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EDUCATION

State University of New York, University at Buffalo Class of 2019 • BS in Electrical Engineering,
School of Engineering and Applied Science

- Honors: *cum laude*

Columbia Engineering Coding Boot Camp Expected Completion Jan-2022

- Online boot camp focused on full stack web development and computer science

TECHNICAL SKILLS

- HTML, CSS, JavaScript, Node.js, React.js, C++
- Object Oriented Software Design
- NoSQL and SQL Databases
- Utilization of Amazon Web Services
- Creation and Testing of RESTful APIs

EXPERIENCE

Mass Electric Construction Company, Woodcliff Lake, NJ June 2019 – July 2021 *Electrical Engineer*

- Performed field calculations to verify proposed designs.
- Analyzed electrical load calculations, conduit and cable sizing, and device power consumption
- Drafted shop drawings for field work not in original scope of contract
- Created point-to-point drawings for client during startup and commissioning
- Communicated with equipment vendors for purchasing, design, and startup
- Verified compliance with project specs and NEC
- Collaborated with estimating department for quantity take-off and bid pricing for large scale projects ranging from \$1M to \$450M
- Conducted field inspection of in-progress and completed electrical work
- Created, tracked, and responded to submittals and RFIs across multiple disciplines and multiple companies
- Managed pricing and development of change orders
- Created schedules for all electrical on site work
- Oversaw all on-site work for the Pleasantville Alum Plant Upgrade project

Consolidated Edison Company of New York, New York, NY June 2017 – Jan. 2019 *Engineering Aide*
(*Winter and Summer*)

- Tracked and reviewed progress on various capital construction projects within the East River Generating Station
- Reviewed technical documents for electrical, civil and mechanical projects prior to construction
- Assisted in writing and filing of change orders, RFIs, and material tracking forms