

# Michael W. Kolakowski

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1678 Murfin, Apt. 14, Ann Arbor, MI 48105 | 248-635-0128 | michkola@umich.edu

## Education

### UNIVERSITY OF MICHIGAN – COLLEGE OF ENGINEERING – MECHANICAL ENGINEERING

- Sophomore (graduating April 2020)
- GPA: 3.664
- Dean's Honor Roll Winter 2017

## Extracurriculars

- Michigan Marching Band
- Michigan Volleyball Band
- BLUElab
- Pi Tau Sigma (Mechanical Engineering Honor Society)

## Work Experience

### THE MALDONADO GROUP

**JANUARY 2017 - PRESENT**

- Optimize the processes for synthesizing methylammonium-lead-iodide hybrid inorganic-organic perovskite photovoltaic solar cells in ambient conditions
- Specifically, perfect the set of processes to produce these cells using electrodeposition instead of the traditional spin-coating, to optimize the processes for eventual industrial-scale use
- Designed an apparatus (now being considered for reproduction and sale) to facilitate the electrodeposition of Lead-Oxide onto a mesoporous Titanium-Oxide scaffold

### UNIVERSITY OF MICHIGAN

#### DEPARTMENT OF CHEMISTRY – INSTRUCTIONAL ASSISTANT

**PRESENT**

- Teach students how to produce methylammonium-lead-iodide hybrid inorganic-organic perovskite photovoltaic solar cells in ambient conditions
- Demonstrate processes, explain theories, and ensure safety of students as they experiment

### REISING ETHINGTON P.C.

**NOVEMBER 2015 – MARCH 2016; SUMMER 2016**

- Worked as an office assistant for an intellectual property law firm —maintenance and data entry