

Quintin Cheek

38493 Milton St. ~ Westland, MI 48186
(734)778-0555 ~ qbcheek@umich.edu

EDUCATION:

University of Michigan, Ann Arbor, MI

Ph.D in Chemistry

Expected Graduation: Spring, 2021

Fall, 2016 – Present

Wayne State University, Detroit, MI

Bachelors of Science in Chemistry

Graduated: Fall, 2015

Fall, 2013 – Fall, 2015

Schoolcraft Community College, Livonia, MI

Associate in Science

Graduated: September, 2014

Summer, 2011 – Winter, 2013

Professional Experience:

University of Michigan Graduate Research

Advisor: Dr. Stephen Maldonado

September, 2016 – Present

- Design a method to grow indium selenide thin films spontaneously to be used in various devices such as photovoltaics.
- Characterize thin films via Raman spectroscopy, scanning electron microscopy, and X-ray diffraction.

Advisor: Dr. Charles McCrory

May, 2016 – August, 2016

- Synthesize mixed metal nitrides to be used as catalysts for N₂ reduction.
- Characterize mixed metal nitrides via powder X-ray diffraction and inductively coupled plasma optical emission spectrometry.
- Test the efficiency of the mixed metal nitrides in oxygen and hydrogen evolution reactions.

University of Michigan Graduate Student Instructor

Course: CHEM 216

January, 2017 – April, 2017

- Taught organic chemistry laboratory techniques required to safely perform basic organic chemistry experiments.

Course: CHEM 125/126

September, 2016 – December, 2016

- Taught general chemistry laboratory techniques required to safely perform basic chemistry experiments.

Wayne State University Undergraduate Research

Advisor: Dr. Stephanie Brock

May, 2014 – December, 2015

- Synthesize transition metal phosphide nanoparticles and encapsulate them in a mesoporous silica shell to be used as a catalyst for hydrodeoxygenation.
- Characterize the nanoparticle samples via powder X-ray diffraction and transmission/scanning electron microscopy.
- Study scientific papers in a variety of journals to gain a better understanding of synthetic techniques applicable to inorganic chemistry.

Busch's Fresh Food Market**April, 2008 – May, 2016***Key Front End Associate, Trainer, Orientation Leader, Special Event Coordinator, Cashier, Service Clerk*

- Perform managerial duties on the front end such as handling all guest concerns, assisting front end associates with their responsibilities, and communicating with other department managers.
- Train new associates on the front end for a variety of jobs and administered performance reviews.
- Coordinate and run local community events.

AWARDS:*Wayne State University:*

- Gold Transfer Scholarship – Awarded by WSU for having at least a 3.75 Transfer GPA (Fall, 2013).
- Dean's List – every semester (Fall, 2013 – Fall, 2015)

Schoolcraft College:

- Dean's List – every semester (Fall, 2011 – Winter, 2013)