

Kraig J. Andrews

CONTACT INFORMATION	666 West Hancock Street Detroit, MI 48201	+1 248-798-9388 kraig.andrews@wayne.edu kraigjandrews.com
RESEARCH INTERESTS	Two-dimensional materials, nanotechnology, transition metal dichalcogenides, field-effect transistors, semiconductor physics, materials physics	
EDUCATION	Wayne State University , Detroit, MI Ph.D., Physics <ul style="list-style-type: none">• Thesis Topic: “Intrinsic Channel Properties, Scattering Mechanisms, and Quantum Transport Properties in Transition Metal Dichalcogenides”• Advisor: Zhixian Zhou, Ph.D. Wayne State University , Detroit, MI M.S., Physics, Feb 2016 Michigan State University , East Lansing, MI B.S., Physics and Astrophysics (Double Major)	<i>expected</i> 2018 2016 2014
RESEARCH EXPERIENCE	Graduate Research Assistant Nano Fabrication and Electron Transport Laboratory, Department of Physics and Astronomy, Wayne State University Supervisor: Zhixian Zhou, Ph.D. Undergraduate Researcher International Course on Computational Physics (ICCP) Michigan State University and Technische Universiteit Delft East Lansing, MI USA and Delft, Netherlands Supervisors: Phil Duxbury, Ph.D. and Jos Thijssen, Ph.D. Undergraduate Research Assistant Neutron Star Evolution and Developmental Limits, Department of Astronomy, Michigan State University Supervisor: Edward Brown, Ph.D. Undergraduate Research Assistant High Resolution Array Group (HIRA): SAMURAI-TPC Project National Superconducting Cyclotron Laboratory, Michigan State University Supervisors: William Lynch, Ph.D. and Betty Tsang, Ph.D.	2015–Present Jan 2014–May 2014 Feb 2013–Dec 2013 May 2012–Jan 2013
INDUSTRY EXPERIENCE	Summer Intern Jenoptik Laser Technologies, Brighton, MI USA Contributed in development of user interface for laser welding machine that allows user manipulation of robotic end-arm tooling. Using microcontroller program via interfaced electronic devices and several developed algorithms machine was able to analyze physical data and feedback.	Jun 2013–Aug 2013

