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| 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 |
| PUBLICATIONS | 1. Chamlagain, B., Perera, M., Chuang, H.J., Bowman, A., Rijal, U., Andrews, K. , Klesko, J., Winter, C., Zhou, Z. “Substrate dependence of Hall and Field-effect mobilities in few-layer MoS ₂ field-effect transistors.” <i>Manuscript in preperation</i> , 2016. | |
| CONFERENCE PUBLICATIONS | 1. Chamlagain, B., Perera, M., Chuang, H.J., Bowman, A., Rijal, U., Andrews, K. , Klesko, J., Winter, C., Zhou, Z. “Substrate dependence of Hall and Field-effect mobilities in few-layer MoS ₂ field-effect transistors.” Bulletin of the American Physical Society, 2016. | |
| HONORS AND AWARDS | | |
| TEACHING EXPERIENCE | Teaching Assistant, General Physics II, Wayne State University Teaching Assistant, General Physics II, Wayne State University Teaching Assistant, General Physics I, Wayne State University Teaching Assistant, General Physics I, Wayne State University Teaching Assistant, General Physics Lab I, Wayne State University Laboratory Instructor, Conceptual Physics, Wayne State University Laboratory Instructor, Descriptive Astronomy, Wayne State University Laboratory Instructor, Descriptive Astronomy, Wayne State University Teaching Assistant, Introductory Physics II, Michigan State University Laboratory Instructor, Planets and Telescopes, Michigan State University Teaching Assistant, Introductory Physics I, Michigan State University Teaching Assistant, Introductory Physics II, Michigan State University | Winter 2017 Autumn 2016 Summer 2016 Autumn 2015 Summer 2015 Winter 2015 Winter 2015 Autumn 2014 Winter 2014 Winter 2013 Autumn 2013 Winter 2012 |
| RELEVANT SKILLS | Nanofabrication: Atomic Force Microscopy (AFM), Electron Beam Lithography, Photolithography, Computer-Aided Design (CAD), Scanning Electron Microscopy (SEM), clean room, chemical etching, metal deposition, and others Programming: C, C++, Fortran, GNU make, HTML, CSS, Python, UNIX shell scripting, and Visual Basic Data Analysis: GNU octave, Kaleidagraph, LabView, MATLAB, Mathematica, Microsoft Excel Data Analysis: Apple OS X, Linux OS, Microsoft Windows Family Editing and Typesetting: T _E X, Microsoft Office, OpenOffice, LibreOffice, GIMP, InkScape Version Control: Git, Mercurial, SVN | |

RELEVANT
GRADUATE
COURSEWORK

Methods of Engineering Analysis II
Advanced Quantum Mechanics I & II
Survey of Condensed Matter Physics
Statistical Mechanics
Electrodynamics
Thermal Physics