TIMOTHY P. HOLMES

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EDUCATION

DePaul University, Chicago, IL *January 2015 - June 2018*
B.S. in Standard Physics
B.S. in Applied and Computational Mathematics
Honors: National Honor Society

EXPERIENCE

Research Assistant May 2017 - March 2018
DePaul University *College of Science and Health, Chicago, IL*

- Assisted with transparent conducting oxides (TCOs) and analyzed the short-range ordering of amorphous and semi-crystalline in TCO films.
- Provided research support by analyzing data and modeling.
- Developed research papers for publications based on experimental results with a marketplace in the billions.

Research Assistant May 2017 - Present
DePaul University *College of Science and Health, Chicago, IL*

- Developed technology to collect data and observe heat transfers.
- Maintained an advanced physics laboratory.
- Data analysis, modeling, assisted at Argonne National Laboratory working in experiments with Ultrafast optics (UFOs).

Student Ambassador June 2016 - June 2018
Wolfram *Chicago, IL*

- Collaborated ideas with over 50 other students at universities around the nation.
- Created workshops to teach other students the Wolfram language.
- Participated in events that presented on the future of technology.
- Expanded ideas to further understand programming and mathematics.

SKILLS

Languages	LaTeX, Python, C/C++
Operating Systems	Linux, UNIX, Mac OS, Windows 2000/XP/Vista/7/10
Applications	MySQL, Mathematica, MatLab, GNU Octave, MS Office, AutoCAD, SOLIDWORKS
Miscellaneous	Strong verbal and written communication skills, great troubleshooting and debugging skills, excellent analytical and numerical skills

CONFERENCES ATTENDED

College of Science and Health (CSH) Research Showcase November 2017
American Physical Society (APS) March meeting - March 2018

Holmes, Timothy, Brett Freese, Miko Stulajter, and Manuel Osorio. "Advancements in Transparent Conducting Oxides: Amorphous IO & ZITO." Poster session presented at: American Physical Society March meeting; 2018 March 5-9; Los Angeles, CA.

INTERESTS

Academic	Nanotechnology, quantum algorithms, condensed matter, economic research, econometrics, economic costs
Computers	Currently writing personal software in different languages, building electronics projects, and conducting research in quantum computing
Memberships:	American Physical Society, and Society of Physics Students