

Robert Tyler Read

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EDUCATION

UNIVERSITY OF MICHIGAN | BACHELOR OF SCIENCE IN PHYSICS

September 2013 - May 2017 | Ann Arbor, MI

- Computer Science, Minor

EXPERIENCE

BROADRIDGE FINANCIAL SOLUTIONS | APPLICATIONS DEVELOPMENT, STATEMENT REDESIGN INTERN

June 2016 - August 2016 | Edgewood, NY

- Exposure to HPExstream, IBM Mainframe Systems, Cobol, Microsoft Sharepoint, and JCL
- Automation of inefficient billing systems for the Statement Composition Department
- Executing database migrations, quality assurance tasks, data manipulation through Excel, VBA, and PowerShell

UNIVERSITY OF MICHIGAN DEPARTMENT OF PHYSICS | RESEARCH ASSISTANT

December 2014 - Present | Brookhaven National Laboratory, NY and Ann Arbor, MI

- Chosen to represent the University of Michigan Department of Physics undergrads at the American Physical Society Department of Nuclear Physics Conference in Sante Fe, NM to present my particle identification research in the MPC-EX detector.
- Research involved analysis of simulated and real data using ROOT, C++, C, and Geant4

UNIVERSITY OF MICHIGAN SCHOOL OF DENTISTRY | COMPUTER CONSULTANT

Jan 2014 - Sep 2015 | Ann Arbor, MI

- Analyzed and resolved technical difficulties experienced by faculty, staff, students, and clients

UNIVERSITY OF MICHIGAN MEN'S GLEE CLUB | MAJOR MEDIA MANAGER, MEMBER

Sept 2013 - present | Ann Arbor, MI

- Creation and maintenance of all social and promotional media
- Tours to South Africa, the Midwest, and an upcoming tour on the East Coast

CHEGG (INSTAEDU) & PRIVATE CLIENTS | TUTOR

Aug 2014 - present | Online

- Teach students in computer science, algebra, geometry, physics, and all levels of calculus

BROOKHAVEN NATIONAL LABORATORY | HIGH SCHOOL RESEARCHER

May 2011 - Jan 2013 | Upton, NY

- Conducted research for Dr. Mickey Chiu on a prototype time of flight (TOF) detector which is now in use by certain government agencies

COMPUTER SKILLS

PROGRAMMING AND SCRIPTING LANGUAGES:

- C, C++, Python, Visual Basic, PowerShell, SQL, LaTeX, UNIX

ADDITIONAL COMPUTER SKILLS:

- Social Media Optimization, Web Design, Video Editing, Audio Mixing

PROGRAMS:

- Microsoft Access, Doxygen, CVS, Adobe Photoshop, Adobe Dreamweaver, Adobe InDesign, Microsoft Word, Microsoft Powerpoint, Microsoft Excel, Microsoft Publisher

COURSEWORK COMPLETED

- EECS: Data Structures & Algorithms, Programming and Introductory Data Structures, Discrete Mathematics, Elementary Programming Concepts
- MATH: Differential Equations, Calculus III, Calculus II, Calculus I
- PHYSICS: Introduction to Computational Physics, Intermediate Electricity and Magnetism, Intermediate Mechanics, Introduction to Modern Physics, Methods of Theoretical Physics I, Waves Heat and Light, Honors Physics II