

PHYSICS AND ASTRONOMY (THIRD YEAR)

RICHARD HOLMES

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OBJECTIVE

I aim to receive a position that will help me develop and diversify my skills in physics. My goal is to become involved with current research in order to broaden my experience as a student and challenge my abilities. I believe an NSERC Undergraduate Student Research Award will help me to gain valuable experience and hone my research ability while contributing to an active field.

EDUCATION

<u>YEAR</u>	<u>INSTITUTION</u>	<u>PROGRAM</u>
2007 – Present	University of Victoria	Bachelor of Science (Physics/Biochemistry)

RELEVANT COURSE WORK

- Classical Mechanics and Special Relativity, Electricity and Magnetism, Quantum Physics, Quantum Mechanics, Optics
- Advanced Calculus, Intermediate Differential Equations, Partial Differential Equations, Complex Variables, Linear Algebra
- Fundamentals of Programming (Java)

WORK EXPERIENCE

BC Cancer Agency

Medical Physics Coop Student

May 2010 – August 2010

Victoria, BC

- Run radiation simulations from computer interface
- Add new simulation features and quantify results
- Self-directed learning and troubleshooting

Actua: Science Venture

Camp Instructor

May 2008 – Aug 2009

Victoria, BC

- Design and teach a science and technology curriculum for grades K through 9
- Complete write-ups for projects developed
- Supervise, care for and entertain a class of approximately 20 children, enforcing safety

Coast Capital Savings

Customer Service Representative

Jul 2005 – Apr 2008

Victoria, BC

- Process transactions in a timely manner, serving customers tactfully and diplomatically
- Suggest helpful banking products to customers
- Serve diverse groups of people and deliver customer satisfaction

TRANSFERABLE SKILLS

Public Relations

- Conscientious, considerate, self-reliant and self-motivated
- Able to speak publicly with confidence and clarity
- Experienced in organizing, teaching and entertaining an audience

TECHNICAL SKILLS

Computer

- Competent user of productivity and analytical software such as Logger Pro and SpecView with some experience in Mathematica and Matlab
- Programming experience in HTML, Javascript, Java, C++, Bash and TCL

Physics

- Electronics assembly experience, experience in data collection and interpretation software such as Graphical Analysis
- Good measurement and record keeping skills
- Able to understand and optimize experimental parameters
- Programming and computer simulation experience

AWARDS

University of Victoria President's Scholarship, 2009

- Received annually from 2007 through 2009.

University of Victoria Science Dean's List, 2009

- For grades ranking among the top 10% of the Science faculty. Received in 2008 and 2009.

REFERENCES

Rob Smith, Senior Medical Physicist, (250) 519-1234, rsmith@bccancer.bc.ca

Joe MacDonald, Physics Lab Instructor, (250) 721-1234, jmcd@uvic.ca

David McDonald, Professor, Department of Mathematics and Statistics, (250) 721-1234, dmcd@math.uvic.ca