

Owen Sheekey

oisheekey@gmail.com • +1 845 663 5296 • owensheekey.com

EDUCATION

University of British Columbia, Vancouver, Canada

- Current student, BSc. Combined Honours Physics and Computer Science Sep 2017 –
 - Cumulative GPA: 85.1%
- Relevant coursework
 - PHYS 304 – Quantum Mechanics, PHYS 315 – Introduction to Solid State Physics, CS 320 – Intermediate Algorithm Design and Analysis, CS 313 – Computer Hardware and Operating Systems

State University of New York at New Paltz, New York, USA

- Part time student concurrent with high school. 21 credits total. Sep 2014 – May 2017
 - Cumulative GPA: 3.8/4.0
- Relevant coursework
 - MAT 252 – Calculus II, MAT 260 – Introduction to Mathematical Proofs

RESEARCH EXPERIENCE

Stewart Blusson Quantum Matter Institute, University of British Columbia

- Undergraduate Research Student, Quantum Devices group Jan 2019 –
 - Thesis Project: Measurement of non local entropy of a quantum many state mesoscopic system.
 - Other projects include characterization of InAs nanowires for topological quantum computing in collaboration with Microsoft Station Q Purdue and local entropy measurements of a spin 1/2 particle in a mesoscopic system.
 - Supervisor: Prof Joshua Folk

WORK EXPERIENCE

UBC Department of Computer Science, Vancouver, Canada

- Undergraduate Teaching Assistant Sep 2018 – Dec 2018
 - Teaching assistant for a 1st year computer science course CPSC 121: Models of Computation.

The Institute for Family Health, New York, USA

- Craig Mesches Memorial internship Jun 2016 – Aug 2016
 - Health information technology internship with applications in IT, health information analysis, and medicine.

SKILLS

Programming

- Languages
 - Scientific Python, C/C++, Java, TypeScript/JavaScript, Igor, Matlab
- Software Development
 - Arduinos and microcontrollers, instrument control and communication, web development.

Technical

- Software
 - Autocad - designing nanoscale devices, Eagle - designing circuitry, Solidworks - basic 3D design.
- Laboratory
 - E-beam evaporation, imaging using optical and scanning electron microscopes, soldering, wire bonding.

AWARDS

- Deans Honour List, University of British Columbia Sep 2017 – Apr 2020
 - For attaining a GPA above 80% with more than 27 percentage based credits.
- HiMCM Honorable Mention 2016
 - For performance in the High School Mathematical Contest in Modeling.
- AP Scholar with distinction, New Paltz High School 2015 – 2017
 - For attaining an AP cumulative average of at least 3.25.