

# Christain Olsen - Curriculum Vitae

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**Address** 2326 West 12th Avenue,  
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**Date of Birth** 23<sup>rd</sup> August 1988  
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**Email** chistian@cjsolsen.com  
**Nationality** Danish



## Education

**2016-** PhD in Physics - The Quantum Matter Institute, University of British Columbia  
Advisor: Joshua A. Folk.

**2013-2015** MSc in Physics - The Niels Bohr Institute, University of Copenhagen  
Final project: *Quasi Particle Tunneling in the Fractional Quantum Hall Regime*.  
Done at Center for Quantum Devices.  
Advisor: Charles M. Marcus.

**2010-2013** BSc in Physics - The Niels Bohr Institute, University of Copenhagen  
Final project: *Measuring Fractional Quantum Hall Effect*.  
Done at Center for Quantum Devices.  
Advisor: Charles M. Marcus.

**2009-2010** Adgangskursus - Technical University of Denmark  
One year accelerated High school (University entrance level)

**2005-2009** Electrician Apprentice - J&E Electric A/S  
Awarded the Bronze Medal. The bronze medal is awarded to students that receive the highest grade for their final project.  
Awarded the Massmannske Medal of Silver. The medal is awarded to students who do exceptionally well.  
Received the following scholarships:  
Kemp & Lauritzens Rejselegat.  
TEC's Rejselegat.

**2004-2005** Boarding School - Fårevejle Fri-& Efterskole

**1995-2004** Elementary School (1th - 9th grade) - Østerhøjskolen

## Employment History

**2015-2016**    Research Assistant - Quantum Devices Group, University of British Columbia

**2015**            Teacher - Ø10, Kildevældsskolen

Worked as a math teacher for a three month period, before moving to Canada. I was the primary math teacher for two 10th grade classes of 25 students each, plus two extra math classes.

**2013**            Research Assistant - Center for Quantum Devices, The Niels Bohr Institute

Worked in the lab during the summer. My work were primarily focused on low temperature, electrical measurements of nano structures fabricated on semiconductor materials.

**2005-2009**    Electrician Apprentice - J&E Electric A/S

The last two and a half years of my education, I were effectively working as a fully trained electrician, handling my own projects. These projects ranged from small one hour jobs to renovations of entire apartments.

## Volunteering

**2016-**            Electrician - Roskilde Festival

I'm in charge of the team (8-10 people) installing all electrical installations in the area called Volunteer's Village.

## Scientific Papers

- Gate-induced Superconductivity in a Monolayer Topological Insulator, Science 362, 922 (2018).
- Direct Entropy Measurement in a Mesoscopic Quantum System, Nature Physics 14, 1083 (2018).

## Language skills

<b>Danish</b>	Native speaker
<b>English</b>	Full professional proficiency
<b>German</b>	Elementary proficiency

## Miscellaneous

**2017-**            SBQMI Student Committee member

Chair in the 2018/2019 academic year.

**2007-2013**    Board member in Måløv Badminton Club

As a board member I handled day-to-day activities, but my primary job were to organize tournaments for the clubs players.