

Finn van Krieken

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EDUCATION

Brown University Providence, RI

Class of 2015

Sc.B. in Chemical and Biochemical Engineering, with Honors – GPA: 3.86

WORK EXPERIENCE

EQUiSat, Brown University – *Power Systems Engineer*

May 2014 – May 2015

- Member of Power Team of Brown University CubeSat, a student-found and run group designing and building a 1U CubeSat satellite, set for launch with NASA in 2017.
- Designed a nodal-thermal model script in iPython for the satellite.
- Helped design and test battery packs and solar panels.

Laboratory for Environmental and Health Nanoscience, Brown University

April 2014 – May 2015

– *Undergraduate Research Role*

- Responsible for design and completion of various research projects in coordination with graduate students.
- Focused on colloidal suspensions of graphene oxide and barrier properties of the compound at liquid-liquid interfaces (subject of honors thesis).

Dean of the College, Brown University – *Fluid Mechanics Tutor*

Fall 2014

- Ran two weekly group-tutoring sessions for introductory engineering fluid mechanics (3rd year level course).
- Put together lesson plans, aided in learning of material. Group sizes of 3-5 students per hour-long session.

Chemistry Department, Brown University – *TA*

Fall 2013 and 2014

- Graded problem sets and worked with professor to give feedback, evaluate students' patterns, and determine effectiveness of assignments.

Vogel Dairy Farm, Lieshout, Netherlands – *Farmhand*

Summer 2010

- Single-family dairy farm in southern Holland. Milked cows, tended to animals, worked on various construction projects.

SKILLS

Computer – Microsoft Office Programs, programming with Java, Scala, Python

Laboratory – In-depth experience in instructional labs in fields of Engineering, Chemistry, Biology, and Physics in addition to research experience in a Chemical Engineering lab

Languages – Intermediate Spanish

INTERESTS & ACTIVITIES

Ultimate Frisbee – Played four years for Brown's club team.

Traveling – Extensive travel throughout Europe, Canada, Alaska, the American southwest and Nepal