

# Eric Van Camp

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github.com/ervc

## OBJECTIVE

I am searching for research positions with groups exploring disk observations and simulations, and how the protoplanetary disk can influence planet formation.

## EDUCATION

### NORTHWESTERN UNIVERSITY

Weinberg College of Arts and Science

**B.A. PHYSICS, HONORS**

CONCENTRATION IN ASTRONOMY

**B.A. EARTH AND PLANETARY SCIENCE**

CONCENTRATION IN PLANETARY SCIENCE

June 21, 2019 | Evanston, IL

GPA: 3.811

Cum Laude with Departmental Honors

### MINNETONKA HIGH SCHOOL

INTERNATIONAL BACCALAUREATE

June 2015

## COURSEWORK

Statistical Mechanics

Thermodynamics

Data Analysis and Modeling

Atmospheric Physics and Modeling

Planetary Formation

Cosmochemistry

Stellar Astrophysics

## LEADERSHIP

### BOOMSHAKA | ARTISTIC

DIRECTOR

June 2017 - June 2019

### DRUMLINE | SECTION LEADER

June 2017 - June 2018

## SKILLS

### COMPUTER PROGRAMS

CAD, Fortran, LaTeX, Mathematica, MS Office, Python, SAO DS9 Fits Reader

### LANGUAGES

Proficiency in Spanish

## RESEARCH

### RESEARCH ASSISTANT | RA IN NOVAK GROUP - NORTHWESTERN CIERA

January 2017 - Present | Evanston, IL

- Created method to check HAWC+ telescope pointing error.
- Designed and manufactured electronics box for BLASTPol sun sensors.
- Modelled and placed constraints on TolTEC half-wave plate manufacturing.

### RESEARCH ASSISTANT | RA TO SETH JACOBSON - NORTHWESTERN DEPT. OF EARTH AND PLANETARY SCIENCES

June 2019 - Present | Evanston, IL

- Modelled impact debris from NASA DART mission.
- Created fortran model to simulate yarkovsky effect on meteorites.
- Simulated material transfer between asteroids in a disk.

## TUTORING

### N'CAT TUTORING | NORTHWESTERN ATHLETICS DEPARTMENT

September 2019 - Present | Evanston, IL

- Led weekly tutoring sessions with 5-10 first students for introductory courses.
- Tutored students one-on-one in math, astronomy, physics, and earth science courses.

### STUDY GROUP FACILITATOR | NORTHWESTERN ACADEMIC SUPPORT AND LEARNING ADVANCEMENT

May 2018 - June 2019 | Evanston, IL

- Led weekly, 2-hour review sessions with 3-8 students in introductory level physics courses.
- Communicated weekly sessions with faculty in the Physics Department and Academic Support program.

## GRANTS AND AWARDS

- |      |   |
|------|---|
| 2019 | Earth and Planetary Sciences Student Marshall |
| 2018 | Northwestern Weinberg Research Grant          |
| 2018 | NASA ISG Summer Research Grant                |
| 2018 | Sigma Pi Sigma Member                         |
| 2017 | NASA ISG Summer Research Grant                |

## PAPERS

Modeling the  $2\Omega$  Synchronous Signal for the TolTEC camera

Eric Van Camp, et al., Honors thesis awarded 2019

HAWC+/SOFIA Multiwavelength Polarimetric Observations of OMC-1

David T. Chuss, et al. [HAWC+ Science Team including Eric Van Camp], 2019

The far-infrared polarization spectrum of  $\rho$  Ophiuchi A from HAWC+/SOFIA observations

Fabio P. Santos, et al. [HAWC+ Science Team including Eric Van Camp], Submitted 2019