# TUOMAS
# **TAJAKKA**

PHD, MATHEMATICIAN

## Contact

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## Skills

Mathematics

Problem solving

Scientific communication

Web development

## Programming basics

C/C++, Python, R, Mathematica

HTML/CSS/JavaScript, React

## Languages

Fluency: Finnish, English

Basics: Swedish, German

## About me

A lifelong lover of math, I aim to tackle complex problems and help make data-driven decisions in industry and the public sector. To achieve this, I apply strong logical, quantitative, and communications skills obtained as a researcher mathematician. Besides academic work, I have gained technical skills in web development and data science through courses and personal projects.

## Education

### PhD in mathematics
2015 - 2021
*University of Washington, Seattle, USA*

### MSc in mathematics and physics
2008 - 2015
*Aalto University, Espoo, Finland*

## Work experience

### Stockholm University
2021-2023, Stockholm, Sweden
### Postdoctoral researcher

- Conduct research in pure mathematics, communicate results via articles and presentations.
- Instructor for master's level class in cryptography.
- Mentor bachelor's thesis in error correcting codes.

### University of Washington
2015-2021, Seattle, WA, United States
### Doctoral candidate

- Complete PhD thesis in algebraic geometry.
- Instructor and teaching assistant for a wide range of undergraduate classes in mathematics.
- Mentor undergraduate research and study projects.

### Aalto University
2010-2015, Espoo, Finland
### Teaching and research assistant

- Teaching assistant for numerous bachelor and master level mathematics courses.
- Research assistant for mathematics and theoretical low temperature physics.

### CERN
June-August 2011, Geneva, Switzerland
### Summer student

- Analyze particle physics data using C++