

# JULIA NISSEN

(651) 335-4211 | [nisse053@umn.edu](mailto:nisse053@umn.edu) | Minneapolis, MN

<https://github.com/junissen> | <https://www.linkedin.com/in/julia-nissen-1b499437/> | <https://junissen.github.io/>

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Full Stack Web Developer with experience in front and back end programming. Accomplished in all phases of systems development life cycle both on a team and individually. A self starter with a background in research, education and customer service. Project management experience on a multi-disciplinary team.

## TECHNICAL SKILLS

HTML, CSS, CSS frameworks, JavaScript, jQuery, AJAX, Firebase, Node.js, MySQL, Express.js, Handlebars.js, React.js, Sequelize, MongoDB, MERN stack, Python, MATLAB, media queries and API requests, Microsoft Office, LaTeX, EPIC, version control, database management and data analytics.

## EDUCATION

**University of Minnesota, College of Continuing and Professional Studies** November 2017 - May 2018  
Minneapolis, MN

*University of Minnesota Coding Bootcamp - Full Stack Web Development*

**University of Minnesota College of Science and Engineering** July 2015 - February 2018  
Minneapolis, MN

*M.S. in Earth Sciences with a minor in Quaternary Paleoecology GPA: 3.8*

Herbert E. Wright, Jr. Quaternary Paleoecology Fellowship, Richard Clarence Dennis Graduate Fellowship, Kerry Kelts Travel Award

**Vassar College** September 2007 - May 2011  
Poughkeepsie, NY

*B.A. in Latin American and Latino/a Studies with a minor in Chemistry GPA: 3.8*

Departmental and general honors, Phi Beta Kappa

## APPLICATIONS

True That - University of Minnesota, Full-Stack Developer, 2018

- A web application that allows users to enter a game room with friends and play a "Cards Against Humanity" style game using gifs.
- Personal contributions: full-stack development using React, Mongo/Mongoose, and Socket.io.
- Available at [truethat.app](http://truethat.app) or on Github at <https://github.com/brothernk/moho>

Hinder - University of Minnesota, Full-Stack Developer, 2018

- A social media web application that allows users to create user profiles, join existing groups, or create new groups in order to send "pranks" to those within their social circle.
- Personal contributions: full-stack development using CSS, Bootstrap, JavaScript, jQuery, Handlebars, Node, Express, Sequelize, and MySQL.
- Available at <https://junissen-hinder-app.herokuapp.com/> or on GitHub at <https://github.com/junissen/hinder>

TravelOn - University of Minnesota, Full-Stack Developer, 2018

- A travel web application that allows users to search destination locations and access photos, sites of interest, maps, and weather.
- Personal contributions: full-stack development using JavaScript, jQuery, Google APIs and Firebase.
- Available at <https://junissen.github.io/TravelApp> or on GitHub at <https://github.com/junissen/TravelApp>

Data reduction programs - University of Minnesota, Python Developer, 2017

- A Python GUI application that allows users to easily reduce isotope data collected via mass spectrometer.
- Personal contributions: Full development, programming, debugging, and deployment using Python.
- Available at [https://github.com/junissen/Isotope\\_Lab\\_Programs](https://github.com/junissen/Isotope_Lab_Programs)

## WORK EXPERIENCE

**University of Minnesota** - *Research and Teaching Assistant*  
Minneapolis, MN

July 2015 - December 2017

- Conducted independent research on quaternary climate change including sample collection and preparation, uranium-thorium separation chemistry, and advanced work with multi-collector inductively coupled plasma mass spectrometry (MC-ICP-MS).
- Significant work reducing and visualizing data using Python packages, including creating new data reduction programs to be used by the lab.
- Assisted in lab management including radioactive waste monitoring and disposal.
- Led weekly discussion and laboratory sections of advanced classes in Earth Sciences for undergraduates, graded student work, and substituted for professors in lecture sessions.

**Vertical Endeavors** - *Shift manager, Sales and Groups, Climb Team Coach*  
Minneapolis, MN

May 2014 - June 2015

- Managed front desk employees, till, invoice payments, and facility upkeep during peak hours.
- Worked front desk processing facility waivers, checking in customers, selling daily entries and memberships, upselling sales offers and advising on gear purchases.
- Conducted facility orientations and beginning to advanced climbing lessons, supervised groups and monitored on-floor safety, and acted as climb teach coach for youth ages 5-18.

**Joseph Upatham School** - *English Teacher*  
Sampran, Thailand

May 2013 - March 2014

- Acted as head classroom teacher for primary, secondary, and post-secondary classes.
- Made 17 unique lesson plans per week and wrote quarterly tests.

**Park Nicollet Institute** - *Clinical Research Coordinator*  
St. Louis Park, MN

September 2011 - March 2013

- Coordinated the recruitment and enrollment process of a NIH funded clinical research study.
- Screened weekly mammogram reports and sent out letters to eligible candidates, up to 400 per week
- Conducted telephone calls to screen potential participants, answer questions, schedule orientations, and acted as primary liaison between research participants and study staff.