

# PAIKTRA NOM

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## CAREER OBJECTIVE

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Interested in a role where I can expand my technical skills to be a well-rounded, T-shaped software engineer. I am a software engineering professional with front-end experience in developing, deploying, and maintaining web and desktop applications. Passionate about developing innovative and efficient software solutions that meet customer needs.

## EDUCATION

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**South Dakota State University, Brookings, SD**

August 2017 - May 2021

B.E., Computer Science with Minors in Mathematics and Software Engineering

## PROJECTS

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**LP DAAC External Website**

September 2020 - June 2023

*Software Engineer*

<https://lpdaac.usgs.gov>

- Assisting in maintaining the website for 150,000 monthly users.
- Collaborated with a four person team to help develop new features for the LP DAAC scientists.

## WORK EXPERIENCE

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**Land Processing Distributed Active Archive Center (LP DAAC), USGS**

September 2020 - June 2023

*Software Engineer I*

- Assisted maintaining and creating new functionalities for the LP DAAC external website.
- Designed solutions to help maintain 10+ applications for the ASTER mission.
- Supported NASA scientists for debugging and testing applications.
- Applied Sprint methodology to help with organization of active tasks while transitioning to sAFE methodology.
- Identified and fixed vulnerabilities in ASTER tools without disrupting productivity.

**EROS CalVal Center of Excellence, USGS**

June 2020 - September 2020

*Software Engineer Intern.*

- Research for georeferencing design using Landsat 8 data to attach a geographical coordinate system to an aerial image.
- Designed and built an algorithm with ArcGIS for automated production of georeferencing images.

## ADDITIONAL WORK EXPERIENCE

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**Wellness Center, South Dakota State University**

December 2019 - March 2020

*Climbing Wall Manager, Lead Route Setter*

- Help maintain the climbing wall during day shifts.
- Maintain organization of the climbing wall's routes and holds.
- Lead clinics on how to set routes for volunteers.

## TECHNICAL ABILITIES

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<b>Languages</b>	C, C++, C#, Python, HTML5, CSS, Javascript, PHP, Perl
<b>Frameworks</b>	Django, Flask, ASP.Net MVC, Wagtail CMS
<b>Tools</b>	Docker, Kubernetes, Jira, Acunetix
<b>Databases</b>	PostgreSQL
<b>Cloud Technologies</b>	AWS
<b>Version Control</b>	Github, GitLab

**Soft Skills**                      Communication, Patience, Teamwork, Agile

## AWARDS

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- Graduated university with Magna Cum Laude distinction: 2021
- Deans list for 5 semesters.