

PAIKTRA NOM

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CAREER OBJECTIVE

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

South Dakota State University, Brookings, SD

August 2017 - May 2021

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

PROJECTS

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

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

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

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

Soft Skills Communication, Patience, Teamwork, Agile

AWARDS

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