

PAIKTRA NOM

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CAREER OBJECTIVE

Interested in a role where I can expand my technical skills to be a well-rounded and experienced 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.

WORK EXPERIENCE

Land Processing Distributed Active Archive Center (LP DAAC), USGS September 2020 - June 2023
Software Engineer I

- Designed solutions to help maintain 10+ applications for the ASTER mission.
- Conducted the operation of updating 100+ outdated libraries for over 12 different applications using several different programming languages.
- Applied Sprint methodology to help with organization of active tasks while transitioning to sAFE methodology.
- Identified and resolved vulnerabilities in ASTER tools without disrupting productivity.
- Coordinated with NASA scientists in requirements gathering for the creation of 150+ JIRA tickets.

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.
- Collaborated with another member of the ECCOE team to create weekly presentations.

PROJECTS

LP DAAC External Website September 2020 - June 2023
Software Engineer <https://lpdaac.usgs.gov>

- Actively engaged in creating new features and maintaining the website for over 200,000 monthly visitors.
- Collaborated in a 4 person team to improve the user experience for LPDAAC scientists to create news articles, ASTER Products, and E-Learning pages.
- Overhauled the publications table to improve loading times by 23% as it parses over 10,000 publications.
- Spearheaded the creation of the Podcasts page. Allowing visitors another resource for obtaining information on different NASA missions such as ECOSTRESS and EMIT.

EDUCATION

South Dakota State University, Brookings, SD August 2017 - May 2021
B.E., Computer Science with Minors in Mathematics and Software Engineering

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.