PAIKTRA NOM

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CAREER OBJECTIVE

Software engineering professional with experience in developing, deploying, and maintaining web and desktop applications. Skilled in the utilization of various technologies such as Python, JavaScript, HTML, and CSS. Experienced in working in team-oriented software development projects and agile development methodologies. 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 — Overall GPA: 3.31/4.00

- Graduated with Magna Cum Laude.

Coursework: Fundamentals of Software Engineering, Database Management, Scientific Computation, Human Factors and User Interfaces, Senior Design I-II, Calculus I-III

PROJECTS

LP DAAC External Website Dec 2019 - March 2020
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.
- **Technical Skills:** Python, Django, Wagtail, Docker, GitLab

WORK EXPERIENCE

Land Processing Distributed Active Archive Center (LP DAAC), USGS Sept 2020 - Jun 2023
Software Engineer I
- Assist maintaining LP DAAC external website, alongside with other applications regarding to the ASTER mission.
- Collaborating with other NASA scientists for debugging and testing applications.
- Apply Sprint methodology to help with organization of active tasks.
- Use tools like Docker and Kubernetes to assist in containerizing applications.

EROS CalVal Center of Excellence (ECCOE), USGS Jun 2020 - Sept 2020
Software Engineer Intern.
- Research for reference image design using Landsat and open source resources.
- Assist in designing and building reference image algorithm for automated production of reference images.

ADDITIONAL WORK EXPERIENCE

Wellness Center, South Dakota State University Dec 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, LaTeX
Frameworks	Django, Flask, ASP.Net MVC, Wagtail CMS
Tools	Docker, Kubernetes, Microsoft Office Suite
Databases	postgresSQL
Cloud Technologies	AWS
Version Control	Github, GitLab
Soft Skills	Communication, Emotional Intelligence, Patience, Teamwork