

Catherine Weiss

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Professional Services
Web Development

SaaS Solution Deployment
Data Migration

Degree: Bachelor of Science, Applied Mathematics, Minor, Computer Science, Loyola Marymount University (2017)

Technologies: JavaScript, SQL, Jira, Shibboleth, REST API, LDAP, Azure AD, Java, CSS, SCSS, HTML, Matlab, Mathematica, LaTeX

Industries: Information Technology, Consulting, Web Development, SSRS Reporting

Professional Experience

Senior Technical Consultant, Huron Consulting Group, Portland, OR/ Remote (2020 – Present)

- Led project as senior technical lead resulting in completion 2 months ahead of schedule and saving over \$100,000 in resources
- Communicate with over 10 clients from medical schools and other universities to develop research compliance software tailored to client needs
- Plan sprints, document requirements, estimate costs, and manage client testing workflows for projects as senior technical lead
- Helped double our SaaS client base in less than a year due to efficient deployments
- Plan SaaS software projects in the form of technical requirements, estimates, and project timelines
- Design, build, and deploy solutions used by **more than 30,000** users on a daily basis
- Conduct database conversions from external Grants database to Huron SaaS solution SQL databases
- Developed a tool for client conversions to help streamline the process for future projects

Technical Consultant, Huron Consulting Group, Portland, OR (2018 – 2020)

- Created efficient and compliant client solutions using research ethics regulations
- Develop compliance software using JavaScript and SQL for research ethics boards and grant management
- Developed an API to integration Huron's solutions with DocuSign, revitalizing internal technical processes
- Serve on the integration expert group to help other projects tackle integration problems
- Mentor new hires, including teaching basics of object-oriented programming, and explain research infrastructure and software

Americorps Member, New Avenues for Youth, Portland, OR (2017-2018)

- Built curriculum and tutored GED students experiencing homelessness in math, science, English, and social studies
- Live in community with other Americorps volunteers, focusing on simple living, and social and ecological justice

Research

Thesis, *The Diffie-Hellman Key Exchange for Elliptic Curves* (2017)

- Implemented the Diffie-Hellman Key Exchange on the group structure of elliptic curves, advised by Dr. Khadjavi

Research Experience for Undergraduates (REU), CSUSB (2015)

- Mapped hyperbolic knots to $PSL_2(\mathbb{Z})$
- Presented findings in research paper and presentation at CSUSB
- Funded by the National Science Foundation to work with Dr. Trapp