

# Lars Mackenzie

## Full-Stack Software Developer

Full-stack software developer with a background in research, higher education, and social services. I am especially excited about building technology to address social problems. Collaborator. Problem-solver. Critical thinker. Always learning.

### Experience

May 2016 - present	<div><b>Freelance Web Developer</b> <i>Self-Employed</i><ul style="list-style-type: none"><li>• Develop and maintain web applications for a range of clients from small business owners to educators and healthcare professionals.</li><li>• Communicate with clients about project scope.</li><li>• Track project budgets and create invoices.</li><li>• Manage digital media resources and cloud-based web hosting.</li><li>• Design mobile-responsive user interfaces.</li><li>• Debug and maintain applications.</li><li>• Develop databases.</li><li>• Work in: React, Node, Express, SQL, Angular.js, JavaScript, HTML5, CSS3, Bootstrap, Material UI.</li></ul></div>
Jun 2018 - Oct 2018	<div><b>Full-Stack Software Engineering Student</b> <i>Prime Digital Academy</i><ul style="list-style-type: none"><li>• Scope and develop scalable, secure web applications using a modern JavaScript stack: React.js, Sagas, Redux, Angular.js, Node.js, PostgreSQL, MongoDB and Mongoose, JQuery, Material UI and Bootstrap.</li><li>• Test, debug, and manage version control for projects using GitHub, Chrome developer tools and VSCode debugger.</li><li>• Work collaboratively with other developers on team projects and in pair programming.</li><li>• Participate in agile and scrum methodologies, daily stand-ups, and post-project evaluations.</li><li>• Deploy projects using cloud based services, e.g. Amazon Web Services and Heroku.</li><li>• Completed two major projects built with React, Node.js, Express, PostgreSQL, Redux, Sagas, Twilio, FileStack, Material UI, and Nodemailer:<ul style="list-style-type: none"><li>• odissssi, a responsive and mobile-first relationship management application to improve supervisory relationships</li><li>• Our Pets, a mobile-first web application that helps people communicate about daily pet care</li></ul></li></ul></div>
2012 - 2018	<div><b>Doctoral Researcher</b> <i>University of Minnesota</i><ul style="list-style-type: none"><li>• Explored the impacts of data-driven decision-making on people based on gender and race</li><li>• Collaborated with colleagues to assemble panels at national conferences.</li><li>• Conceived, developed, funded, executed, and reported results of a mixed-methods qualitative research project that makes original and substantial contributions to bodies of knowledge.</li><li>• Recruited and interviewed research participants, transcribed recordings, and coded results using ATLAS.ti.</li><li>• Taught college-level courses.</li></ul></div>

### Personal Info

<b>Phone</b> 413-923-1552
<b>E-mail</b> larsmackenzie@gmail.com
<b>GitHub</b> <a href="https://github.com/larsz-o">https://github.com/larsz-o</a>

### Technical Skills

React
Angular.js
jQuery
JavaScript
Redux
Python
R
Clojure
Material UI
Bootstrap
CSS3
HTML5
PostgreSQL
Node.js
Express
MongoDB
Git
REST APIs
Object-oriented programming
Amazon Web Services
Data visualization
ArcGIS

### Professional Skills

Agile and scrum methodologies
Critical problem solving
Project Management
Collaborative team leadership
Mentorship
Adaptability

Aug 2015 - May 2017	<b>Program Coordinator</b> <i>University of Minnesota</i> <ul style="list-style-type: none"> <li>• Organized public events and grant funded opportunities.</li> <li>• Drafted calls for proposals, assembled and served on selection committees, and communicated with applicants and awardees.</li> <li>• Evaluated program goals through surveys and assessments with key stakeholders.</li> <li>• Reported finances and program updates to the Advisory Board quarterly.</li> <li>• Mentored undergraduate staff.</li> <li>• Provided consultation services to faculty and departments.</li> <li>• Developed and facilitated workshops and trainings.</li> </ul>
May 2014 - May 2016	<b>Digital Humanities Project Coordinator</b> <i>University of Minnesota</i> <ul style="list-style-type: none"> <li>• Provided consultations to faculty on digital research project design and evaluation, including storyboarding and ArcGIS scoping.</li> <li>• Led technical trainings.</li> <li>• Managed the production of interactive web-based educational modules.</li> <li>• Coordinated with a cross-departmental team of technologists to manage digital content.</li> <li>• Developed and facilitated training workshops.</li> <li>• Supervised undergraduate staff.</li> </ul>
Aug 2014 - May 2015	<b>Advisor</b> <i>University of Minnesota</i> <ul style="list-style-type: none"> <li>• Coached students through the processes of event planning, grant writing, and governance.</li> <li>• Managed finances including all payroll, filed quarterly and annual taxes, and applied for grant funding.</li> <li>• Developed web content, advertising materials, weekly newsletters, and managed all email communication.</li> <li>• Facilitated weekly meetings.</li> <li>• Coordinated with higher education administrators to plan collaborative events.</li> </ul>
Oct 2011 - Jul 2012	<b>Supervisor</b> <i>loveisrespect, The National Dating Abuse Helpline</i> <ul style="list-style-type: none"> <li>• Supervised a crisis management team that serves clients experiencing domestic abuse.</li> <li>• Coached staff through chats, calls, and texts, providing regular feedback.</li> <li>• Developed and facilitated training workshops.</li> <li>• Developed protocols to improve digital services operations.</li> <li>• Co-facilitated on-boarding trainings.</li> <li>• Ensured adherence to data entry requirements for all staff.</li> </ul>

## Education

2018 - 2018	<b>Prime Digital Academy</b> Full Stack Software Engineering Certificate Activities: Minneapolis Jr. Developers Meet-up
2012 - 2015	<b>University of Minnesota</b> Master of Arts Areas of concentration: history and public policy
2006 - 2010	<b>Hampshire College</b> Bachelor of Arts Areas of concentration: U.S. history and television

## Additional Activities

### Liberal Arts, Sciences, and Technology Innovation Services

*Academic Innovation Grants selection committee member*

The Liberal Arts, Sciences, and Technology Innovation Services awards Academic Innovation Grants to faculty members and departments within the College of Liberal Arts at the University of Minnesota. I served on the selection committee for these awards for two years (2015-2017). I evaluated proposals and deliberated with other selection committee members about which projects to fund, focusing on funding projects with the greatest capacity to innovate traditional classroom education.

## Certificates

Oct 2018	Full Stack Software Engineering
Sep 2015	CITI Social/Behavioral Human Subjects Research Ethics