

# Fernanda Perez

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## EDUCATION

**Hackbright Academy School of Engineering** — Full Stack Development Bootcamp | **Dec 2022**

**Case Western Reserve University** — Masters in Computer Science Coursework | **In Progress**

**Normandale Community College** — Computer Science Program Coursework | **Fall 2021**

**Gustavus Adolphus College** — Bachelors in Biochemistry & Environmental Science | **Jun 2019**

## SKILLS

**Human Languages** — Bilingual, Multilingual, Spanish (Native Fluency), English (Native Fluency), French (Conversational Fluency)

**Computer Languages** — Python, C, Javascript, HTML/DOM, CSS, SASS, SQL, PostgreSQL, Java, PHP (~500 hours)

**Frameworks & Libraries** — React/JXS, Flask, Typescript, Node.js, jQuery, Ajax, Bootstrap, Jinja, Pytest, Jasmine, Selenium, Jest (~400 hours)

**Database & Industry Tools** — Git, Github, Jira, Linux, Unix Command Line, Shell Scripting, Bash, AWS (Lightsail, SNS, SDK, SES), Wordpress

**Tools/Software/Practices** — Visual Studio, MacOS, RESTful APIs, JSON, Microsoft Office, Salesforce, Homebrew, Chart.js, Zapier. Agile/Scrum

## RELEVANT EXPERIENCE

**Bilingual Generation — Software Developer Internship | Sep 2023 - Present**

TypeScript, React/JXS, React-intl (internationalization), JavaScript, Visual Studio, Jest, Cypress, Test-Driven Development (TDD), Unit Testing, AWS, Strapi, Ionic, Github, Gitflow, Technical Communication

- Collaborate with the Bilingual Generation engineering team, CEO, graphic designers, and language specialists to design and build the 'Bili App,' a mobile application EdTech startup focused on preserving heritage languages.
- Utilize modern web development technologies including Ionic/React, TypeScript, SQL, Firebase, Strapi/Node.js, Git (branching, pull requests, merge conflicts, project tracking), Test-Driven Development (Cypress, Jest), and Agile Development methodologies to create a robust and user-friendly language preservation app.
- Participate in weekly SCRUM meetings with the Lead Engineer and fellow engineers, ensuring alignment on project goals, discussing progress, and adapting to evolving requirements.
- Engage in pair programming sessions, actively contributing to solving high-priority issues and providing valuable insights to enhance the functionality and user experience of the 'Bili App.'
- Play a key role in the software development life cycle, from ideation and architecture to coding, testing, and deployment, gaining hands-on experience in all aspects of the project.
- Collaborate closely with cross-functional teams, incorporating feedback from graphic designers and language specialists to create an engaging and culturally relevant language preservation solution.
- Demonstrate proficiency in version control with Git, effectively managing branching, pull requests, and resolving merge conflicts to maintain codebase integrity.
- Practice Test-Driven Development (TDD) using Cypress and Jest, ensuring the reliability and performance of the 'Bili App' through comprehensive testing.
- Embrace an Agile Development approach, adapting to changing project requirements, delivering iterative improvements, and meeting project milestones efficiently.

**Code the Dream — Advanced React Fellowship | May 2023 - Sep 2023**

React/JXS, JavaScript, Visual Studio, Technical Communication, Github, Gitflow

- Enrolled in a comprehensive React course to enhance proficiency in front-end development, gaining hands-on experience in building interactive user interfaces and single-page applications using React.js
- Demonstrated commitment to professional growth by independently undertaking a self-paced learning program for 20+ hours/week, mastering key React concepts, including state management, component lifecycle, and routing, while implementing best practices and industry standards

**Google — Lime Connect Foundations Fellowship | March 2023 - Aug 2023**

Leadership, Networking, Communication, Professional Development, Diversity and Inclusion, Problem-solving, Technology and Industry Knowledge, Self-Advocacy, Resilience, Teamwork

- Selected as a participant in the highly competitive Google Lime Connect Foundations Program, a prestigious initiative aimed at fostering the professional development and inclusion of talented individuals with disabilities in the tech industry
- Engaged in a comprehensive curriculum tailored specifically for program participants, attending workshops, networking events, and mentorship sessions, which significantly contributed to enhancing leadership skills, building a strong professional network, and gaining insights into the technology industry's best practices.

**Latina Dev — Github Open Source Full Stack Project Contributor | March 2023 - Sep 2023**

AWS SES, AWS SDK, AWS SNS, Python, Gitflow

- Check out the project on [Github!](#)
- Coordinated the implementation of AWS SES to provide future weekly/monthly newsletters
- Developed flow to handle AWS SES bounces and complaints utilizing AWS SNS to ensure a bounce rate below 5%
- Analyzed and compiled database options and coordinated Vercel sponsorship process for hosting and deployment

**Trio Joblist — Full Stack Software Engineer Volunteer | February 2023 - Sep 2023**

Google Sites, Google Apps Script, JavaScript, HTML/CSS

- Briefed client on website research, and made suggestions for website build
- Implemented automation processes using Google Apps Script, saving 5+ hours of client's time weekly
- Translated designs and wireframes into high quality code using JavaScript, HTML, and CSS to boost engagement by over 15%

**Girls Who Code — Autodesk, Inc. Technical Interviewing Bootcamp | March 2023**

Python, Visual Studio, Technical Communication, Pair Programming, Teamwork

- Pair programmed alongside 4+ senior software engineers at Autodesk, Inc.
- Crafted creative solutions and provided feedback to coding problems on a team of 6+ junior engineers and 2 senior engineers

**Hackbright Academy — Full Stack Software Engineer Fellow | Sep 2022 - Dec 2022**

Python, Javascript, PostgreSQL, HTML/DOM, CSS, React, Visual Studio, Git, Github, Command Line, AJAX, JSON, Flask, jQuery, SQLAlchemy, Bootstrap, Jinja, Chart.js, AWS, Selenium, Jasmine, Agile/Scrum, Full Stack Web Development, Agile/Scrum, RESTful APIs, Linux/Unix, Bash

- Check out my Choro-Tracker Project video rundown [HERE](#) and see it on [Github!](#)
- Engineered a full-stack web development app featuring 200+ countries using global COVID-19 data api, Rapid API
- Integrated a locally-held, multi-table PostgreSQL database, which slashed data retrieval time from 10 minutes to under 1 second
- Designed a user-validation system featuring a dynamic Flask web-server
- Utilized JavaScript to retrieve user-driven changes and merged Chart.js software to update a global choropleth map
- Implemented unit testing to ensure the highest level of reliability and prevent errors throughout the web app development process
- Participated in daily scrum meetings with team members detailing project progress and next steps
- Developed new features using the AGILE process and collaborative pair programming methods
- Deployed fully functioning web app using AWS Lightsail Cloud Service

**RBC Wealth Management — Technical Support Specialist | Jan 2020 - Oct 2020**

FDR, CST, SAP, Salesforce, Visa Monitoring System, Microsoft Office, Microsoft Teams

- Diagnosed and solved technical issues alongside my team members, including account setup and network configuration
- Corresponded with 30+ shareholders daily on in-depth fund information while referencing FDR system
- Analyzed CST and Visa Monitoring Systems to support customer Bill Pay transactions

**Allianz Life — Internal Audit Internship | Jun 2019 - Aug 2019**

OneTrust Audit Management Software, SAP Software, Microsoft Office

- Compiled audit data for use in detecting deficient controls, fraud, or non-compliance with laws, regulations, and management policies
- Examined financial data systems to implement controls and ensure system reliability and data integrity
- Audited over 300 company-wide policies and showcased a previously unperceived policy that proved critical to the success of a prospective audit

**PROFESSIONAL ASSOCIATIONS**

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Society of Hispanic Professional Engineers, Google Lime Connect, AnitaB, Girls Who Code, Women Who Code, Techqueria, Tribaja, Code the Dream, Rewriting the Code, Latinas in Tech, Rewriting the Code, ColorStack, LatinoLEAD, Grace Hopper, Girls Dream Code

**SERVICE**

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**Minnesota Immigrant Rights Action Committee — Advocate & Volunteer | Nov 2021 - Present**

- Facilitate campaigns while leveraging bilingual fluency to increase presence and awareness of human rights resources
- Support volunteer-led movements advocating for an end to unjust anti-immigrant laws, and full equality in all areas of life

**Planned Parenthood — Event & Latinx Outreach Volunteer | May 2022 - Present**

- Assist in coordinating Planned Parenthood's event attendance with four other team members
- Translate medical infographic documents to Spanish and volunteered to speak at Planned Parenthood outreach events where a Spanish translator was necessary

**Twin Cities Pet Rescue — Foster Parent & Event Volunteer | Nov 2020 - Present**

- Foster over 15 kittens while providing love, nourishment, and a safe space
- Attend and helped plan adoption events at various locations around the Twin Cities

**Gustavus Adolphus College International Cultures Club — Co-President | Sep 2018 - May 2019**

- Implemented new ideas for intercultural events while maintaining a budget of \$3000
- Coordinated the annual International Festival, which had over 300 community members in attendance