

Ilona Bodnar

Software Engineer

[linkedin.com/in/ilonabodnar](https://www.linkedin.com/in/ilonabodnar)

<https://ilonabodn.ar>

On wedding & travel hiatus July 2022-January 2023

University of Southern California

B.A. Media Arts & Practice

Focus in Computer Science

Thematic Option Honors

EXPERIENCE

Software Engineer II, NerdWallet

INTERNEED SUMMER 2019, MAY 2020 - JULY 2022

- Promoted from SWE I to SWE II within 1 year of work, interned in 2019
- Led conversion of internal repositories from JS to Typescript and led conversion to Jest testing framework from Mocha
- Improved core web vitals performance metrics across NerdWallet pages using tools like Datadog and Pagespeed, resulting in 10%+ percent reductions of page load time
- Created React components for NerdWallet's products and instrumented them according to internal analytics requirements, using GraphQL to fetch and render data on NerdWallet pages
- Developed and designed a changelog view for product managers to see view request history & analyze marketplace performance for partners like Chase, Capital One, and others; created the backend & API endpoints in Python and the frontend in React
- Created automated API documentation using Swagger Docs & Python scripts on Product Platform

Software Engineer Intern, Google

SUMMER 2016, SUMMER 2017, SUMMER 2018

- Worked on release engineering (tools & infrastructure) for Google Cloud EngProd on an internal release orchestration engine that manages flows (2018)
- Developed and designed a configuration microservice in Java using external resources such as SpringBoot + Maven to create the application and deployed to Kubernetes Engine using Docker containers (2018)
- Worked on Google Express team, developing a page where merchants (i.e. Costco, Target, etc) can easily and efficiently create an advertising campaign in HTML/CSS, using Dart and Angular2 technologies (2017)
- Worked on Google Voice Assistant team, created error card in C++ to notify user when the assistant can't execute a specific action (2016)
- Developed scripts in Python to assist developer team with merging configurations for launching and versioning features when there were overlaps (2016)

Undergraduate Researcher, USC Robot Interaction Lab

AUGUST 2015 - MAY 2016

- Assisted in data collection and documentation of machine learning algorithms using Keras/Python determine emotional affect on faces under Dr. Maja Mataric in the field of socially assistive robotics
- Updated website for Quori, a community-driven modular research platform for robotics

SKILLS

Languages: React, Javascript, Typescript, Python, Java

Tools: Docker, Kubernetes

AWARDS & INVOLVEMENTS

2020, 2021 Code Nation Volunteer

2020 Software Engineer w/Infineon and Wirecard Germany, Digital Product School

2020 Devcon VI Scholars Committee Lead, Ethereum

2019, 2018, 2017 Face of Technolochicas Campaign with Televisa & Eva Longoria Foundation

2019 Devcon V Scholar, Ethereum

2019 Girls Who Code + Anita Borg GHC Scholarship

2019 Code2040 Fellow

2019 Women's Leadership Society

2018 AWS re:Invent Scholarship

2017, 2016 Google GHC Scholarship

2016 CODE2040 Tech Trek and TAP Ambassador

2016 Qualcomm DECA Recipient

2015-2016 Director of Corporate Affairs, Women in

Computer Science TA, Pixar Animation Studios & Girls Who Code SUMMER 2015

- Taught fundamentals of computer science: Python, Javascript, HTML/CSS, JQuery, and the visual programming language Scratch
- Mentored student projects, communicated with Pixar and Girls Who Code employees on speaker events and workshops

EXTRACURRICULAR ENGAGEMENTS

Face of Technolochicas Campaign, Technolochicas with Televisa Foundation & NCWIT AUGUST 2017 - DECEMBER 2019

- One of 10 professionals selected to represent Technolochicas, a national org dedicated to getting Latinas into computer science, on televised programs and events across the West Coast, with a launch event at Microsoft
- Spoke at numerous panels and conferences, including Girl Power Expo, and lead technical workshops for students in middle and high school covering topics like robotics with Sphero, and introduction to programming

Cofounder & Head of Finances, AthenaHacks AUGUST 2016 - MAY 2019

- Led fundraising of over \$120,000 over 3 years from various sponsors, including Neudesic, Microsoft, Google, and more for events in 2017, 2018, and 2019
- Gave opening speech at both events and interacted constantly with the event's 500+ attendees (2019), which submitted over 60 projects each year

Computing

2015 NCWIT National & SF Bay Area Aspirations in Computing Award

2015 SHPECodes Github Scholarship

2015 White House Tech Jam

2015 Grace Hopper Celebration (GHC) Scholar, National Science Foundation

2015 Pixar Animation Studios & Girls Who Code Teaching Assistant