

# Reiden Chea

FULL-STACK DEVELOPER ·

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## Education

### Georgia Institute of Technology

Atlanta, Georgia

PURSuing M.S. IN COMPUTER SCIENCE, MACHINE LEARNING SPECIALIZATION

Aug. 2022 - July. 2025 (Anticipated)

- Relevant coursework: Machine Learning for Trading, Bayesian Statistics

### University of Washington

Seattle, Washington

B.S. IN COMPUTER SCIENCE, DATA SCIENCE OPTION; GPA: 3.88, CUM LAUDE

Sept. 2019 - March. 2022

- Relevant coursework: Machine Learning, Data Visualization, AI, Computational Biology, Computer Security, Technical Writing, Algorithm Design, Data Structures, Software Design, Probability and Statistics, Discrete Mathematics, Multi-variable Calculus, Differential Equations, Linear Algebra

## Experience and Leadership

### SeekOut

Bellevue, WA

SOFTWARE ENGINEER I; FULL STACK

May. 2022 - Present

- Implemented end-to-end features for the Career Compass Application. Collaborated with designers and engineers to create optimal end-points and UI solutions to meet the needs of customers.
- Successfully migrated the profile model of the Career Compass application to a new model. Updated all front end types to integrated with new back-end APIs and wrote converters to ensure backwards compatibility and support the old profile type for existing backend functionality.
- Designed and implemented a job ingestion/indexing pipeline to ingest an organization's jobs into our application. Prioritized ease of on boarding new companies by only requiring a configuration to be updated with minimal code changes necessary.

### AT&T Technology Development Program

Bothell, WA

SOFTWARE ENGINEER INTERN; ML DEVELOPER

Jun. 2021 - Sept. 2021

- Collaborated with other interns to optimize an HBO Max user's experience from their non-video analytical data; developed a neural network trained on user UI data (mouse clicks, titles selected from carousels, etc.) to create an interface that evolves with individual user preferences.
- Implemented random forest classifier to assign rows of privacy information a categorical label. Achieved a consistent test set accuracy of >93% when trained on the small dataset of 210,800 inputs. Reported on other models and documented their shortcomings (SGD, ridge, SVC, etc.).
- Modularized the model to auto-select CSV file features and easily allow selection of features to omit, standardize, and vectorize. Allowed for the use of any classifier with the same methods as the random forest classifier.

### UW Interactive Data Lab (IDL)

Seattle, WA

RESEARCH ASSISTANT

Jan. 2021 - Mar. 2022

- Developed an interactive GUI for TEA, a declarative programming language to help non-statistical analysis experts formulate hypotheses and statistically analyze their experimental data, with Bootstrap, Vue.js, axios, and Python/Flask.
- Researched approaches to developing new tools and programming languages for specific groups of people based on behavioral analysis, user goals, and user background.

## Personal Projects

### G.O.T.C.H.A - Government Observer: Transparency, Credibility, and Honesty App (2020)

Vue.js, Python, Flask, Bootstrap, Axios

- Created a web app for the 24-hour-long DubHacks Hackathon to parse summaries of Congress's 100 latest bills and contact information of legislators for users. Upon a user query, retrieves legislation or legislator data from a government provided XML file and displays information in a pop-up modal.

### S.U.C.R.O.S.E - Surely Unsecured Candy Receiving Operational Silly Exploit (2020)

Python, RaspPi, Selenium, Inventor

- Fabricated a Raspberry Pi integrated button to automatically order random candy from one of my online shopping accounts through a list of links via USB. Awaits the button to be armed and pressed, then headlessly logs in and places an order. Enclosed within a custom 3D printed housing.

## Skills

### Languages and Tools

Java, Python, Pytorch, NumPy, SK-Learn, C#, JavaScript, TypeScript, React, Vue.js, GIT, SQL, HTML, CSS, .NET

### Interpersonal

Project Management, Public Speaking, Fundraising, Technical Writing, Research

### Technologies

Autodesk Inventor, Arduino IDE, Additive Manufacturing