

## Charlotte Clark

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### Education

Worcester Polytechnic Institute

August 2019 - May 2023

I am studying computer science with a focus on software engineering. I am pursuing a dual degree to earn both my Bachelors of Science and Masters of Science in May of 2023. GPA 3.4/4.0.

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### Skills & Languages

- **Skills:** Git, AWS S3 & Lambda, SciKit Learn, NodeJS, React, Elasticsearch, MongoDB, Oracle SQL
- **Languages:** Java, JavaScript, Python, C, C++

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### Experience

First Republic Bank | Software Engineer Intern

June 2021 - August 2021

- Developed a React website to visualize compliance with internal SDLC guidelines
- Worked with a partner to analyze how pull requests are submitted, critiqued, and approved before being merged and cataloged this data with Elasticsearch
- Designed reusable graph and chart components using Visx to display data in a consistent and aesthetically pleasing manner

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### Projects

Escape | Customizable board game

- Applied object oriented design principles and patterns to create a modular backend for a checkers-like game where rules, win conditions, pieces, and boards were completely customizable by end users

WhatDo | Decision making for teams

- Worked with a team to develop a website which facilitates virtual decision making quickly and easily without requiring account creation
- Users can create choices with several possible courses of action, and invite their teammates to comment and vote on options

Mushroom Hunting | Machine learning

- Applied a variety of algorithms including random forest and logistic classifiers to a mushroom toxicity dataset to determine which features are associated with being poisonous