

## Profile and Objective

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Aspiring developer with concrete programming skills, and a focus on user centered design.

Looking to obtain a co-op position in computer science spring 2024 and a research position fall 2023.

- Work experience with AWS products; Lambda, S3, API Gateway, SQS, CloudWatch, Step Functions and CloudFormation
- Object Oriented Languages; Java and Python
- Web development skills with CSS and JS
- Database concepts, experience with SQL
- Team oriented and versed with the Agile method
- Experience with C in a low level environment

## Education

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B.S. Computer Science, Rochester Institute of Technology, 3.7/4.0, December 2024

## Professional Experience

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**Research & Pre-clinical Development IT Coop**, Regeneron , January 2023 - August 2023

- Worked in the Scientific Services Platform team to create integrations and connections between scientific systems such as BioBank, Clarizen, Dotmatics, ServiceNow, CoreLIMS, Velocigene and other laboratory information management systems(LIMS).
- Designed and implemented a internal SwaggerHub replacement using AWS S3, AWS API Gateway, SwaggerUI and JS which saved over \$20,000 a year in licensing costs
- Translated scientific business requirements to develop code for a Dotmatics to CoreLIMS molecule synchronization system and coordinated testing with Senior Developers, Principal Business Analysts and Consultants.
- Deployed continuous integration and continuous deployment (CICD) pipelines by configuring Jenkins CloudBees and installing Jenkins shell scripts in repositories using Perl

## Relevant Experience

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**Clash Stats** (personal) Team size: 1 Summer 2023

Created a website where users can create sharable dashboards to view and compare in their in game statistics with friends for the popular mobile game Clash Royale.

- Implemented the website with a Express Node.js backend
- Dashboards are stored in a MongoDB database and are available for retrieval via unique links
- Utilized Bootstrap CSS to create mobile friendly responsive design

Tools: Node.js, MongoDB, Mongoose, Express, Pug, Clash Royale API, Bootstrap CSS, Axios, JS

**Weather Web App** (personal) Team size: 1 Summer 2022

Investigated and learned JS to formulate and develop a JS web app where users can look up the weather of a city.

Tools: JS, HTML, CSS, API's

**Meal Hub** (academic) Team size: 4 Spring 2022

Designed a SQL relational database and a Java database management application. The application allowed users to manage a virtual pantry, search recipes and receive recipe recommendations.

- Database handled 500,000+ ingredients and 1000's of recipes in 10 tables
- Data was populated, generated and prepared using Java and Kaggle data
- Implemented efficient data structures and indexes to allow quick <2s searches of recipes and ingredients
- Analyzed database trends with R

Tools: SQL, Relational Databases, Java, Java Fx, Gluon Scene Builder, R

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