

Joseph DeGrand

Seeking a full time position
starting **Summer 2022**
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EDUCATION

Rochester Institute of Technology

August 2017-May 2022

Bachelor of Science in Computer Science

Relevant Courses: Analysis of Algorithms, Concepts of Computer Systems, Mechanics of Programming, Principles of Data Management, Introduction to Artificial Intelligence, Concepts of Parallel and Distributed Systems, Graph Theory, Foundations of Computer Graphics

WORK EXPERIENCE

Intuit

May 2021-August 2021

Software Engineer Intern

- Worked on a dashboard to track statuses of pull requests with important updates to internal repositories, to be used by Program Managers
- Created the entire front-end in React and connected it to the backend
- Wrote backend in Java Spring which involved creating Java and GraphQL models, mutations, and queries and connecting to a MongoDB cluster. Also pulled data from GitHub and AWS Athena
- Learned how to write effective Mockito unit tests and how to architect my code in a readable and maintainable fashion

Sandbox Union

December 2020-May 2021

Part-Time Full-Stack Developer

August 2021-Current

- Developed websites for upcoming and local businesses
- Technologies used include Angular and TypeScript for front-end, Node.js and Sequelize for API calls and database management, and MariaDB with MySQL Workbench for data storage
- Learned how to properly and efficiently structure a full-stack application

Intuit

May 2020-December 2020

Software Engineer Co-Op

- Worked on Intuit's Identity Platform Team using Java and Wavefront
- Extended an internal tool that pulls useful metrics from various services into a single dashboard to be used daily by Intuit's Identity Team
- Participated in Intuit's Global Engineering Week, where I worked with a new team to fix several address validation issues customers were experiencing

CHESS Health Solutions

Jan 2020-May 2020

Software Engineer Co-Op

- Contributed to the company's Android applications, all of which strive to help users with addiction recovery
- Used Android Studio with Java and XML
- Learned how implement UI in a way that worked across various types of phones and versions of Android

PERSONAL PROJECTS

Camagotchi

Spring 2019

github.com/jdegrand/Camagotchi

- A remake of the Tamagotchi, a digital pet simulator, written in C
- Implements ncurses and pthread libraries to handle visuals and user interaction
- Future plans include 3D printing a case and attaching a screen and buttons to work with the program

VlocChain

Spring 2018

github.com/VlocC/VlocChain-0.0

- A hackathon project that combined blockchain with video sharing
- Implemented all of the UI, set up a database with MySQL, set up routes with Flask, and created a custom web video player
- Quickly learned new technologies I haven't used previously to create a working product within a short time frame

Skills

Experienced

Angular, Python, Java,
Git, HTML, CSS, C
React, TypeScript

Familiar

Node.js, MySQL
MongoDB, GraphQL,
Spring, Rust

Extra Curricular

Orientation Leader

Helped groups of students
with their transition to RIT
and college life

Computer Science Ambassador

Ambassador for RIT's
Computer Science
Department. Helped run
department wide events,
such as open houses for
potential students

Computer Science House

Alumni of a competitive
special interest house
consisting of people with a
passion for computer
science and personal
projects