

# Oren Rosin

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Versatile and motivated software engineering graduate with proven skills in software and web development, UX design, and testing processes. Offers excellent written and verbal communication and works well independently or as part of a team.

## EDUCATION

### **Bachelor of Science (BS) in Software Engineering (Dec. 2020).**

Rochester Institute of Technology, Golisano College of Computing and Information Sciences

**Relevant coursework:** Engineering of Software Subsystems, Engineering Secure Software, Process & Project Management, Principles of Data Management, Principles of Data Mining, Web Engineering

## EXPERIENCE

*EagleDream Technologies, Amazon Web Services IAM Role/Permission Manager (January 2020 - August 2020).* Developed tools with AWS lambda functions for Identity and Access Management (IAM) in an AWS-hosted server .

*Alstom Signaling, West Henrietta, NY (September 2018 – December 2019)* - V&V (verification and validation) engineer. Wrote and executed requirements tests for a cab signal receiver device used on rail systems, including the MBTA and NJT. Optimized a train route generating tool in C# to load and run an order of magnitude faster.

*Brookhaven National Laboratory, Upton, NY (June 2018 – August 2018)* - Designed front-end graphical user interface for quality control tests, using JavaScript, Python, and HTML/CSS. Used Flask framework for interaction between front-end and data control systems.

*Excelero, Tel Aviv, Israel (June – July 2017)* - Developed a back-end UDP client/server messaging library in C and Python in a Linux environment for the company's software-defined block data storage solution.

## LANGUAGES AND FRAMEWORKS:

Programming Languages: C#, Python; Java; JavaScript; HTML; CSS; SQL

Frameworks: AWS; Django; Unity; Flask; React

Skills and Methodologies: Full-stack Development, Plan-Driven, Agile, Scrum

## UNIVERSITY PROJECTS

**Course Manager:** Webpage developed with React, RESTful API on Flask, and SQL that allows users to add or remove school courses.

**Healthnet:** Front-end development of a hospital website in Django that facilitates interactions between patients and doctors. For example, patients can create appointments using a built-in calendar.

**Airline Flight Reservation System:** Wrote the back-end of a program in Java that lets passengers reserve flights. Focused on using good design patterns and principles, such as Command and Strategy patterns.

**Project Management:** Wrote an outline of a metro train system using Scrum framework and plan-driven process. Divided the requirements into tasks, organized the timeline using a work-breakdown structure, and developed a risk matrix to manage the potential risks.