

Ryan Racicot

802-999-5189 - ryanmracicot@gmail.com

Education

University of Rochester	Rochester, NY
Bachelor of Science in Computer Science	May, 2020
Bachelor of Arts in Music, Audio and Music Engineering Track	May, 2020

Programming Experience

Amazon	Seattle, WA
Software Development Engineer Intern, AWS Aurora	June 2019 - August 2019
<ul style="list-style-type: none">- Designed and implemented an automated system for resolving recurring errors in distributed database system.- Tool created has since been adopted by international teams and used heavily for system maintenance.- Extensive work with Java, Node.JS, SQL, NoSQL, Python, and Bash.	

University of Rochester Medical Center	Rochester, NY
Technical Assistant, Department of Anesthesiology	October 2018 - May 2019
<ul style="list-style-type: none">- Developed training and on-boarding online modules to be used to train 18,000 medical center staff.- Full-stack web development for Anesthesiology Department internal use.- Sole programmer exercising excellent time management and self-motivation skills.	

DXC.technology	Williston, VT
Systems and Development Intern	May 2018 - August 2019
<ul style="list-style-type: none">- Full-stack web development for vtmedicaid.com.- Resolved 60% of security risks in business critical legacy Java WebSphere application.- Experience designing SQL and NoSQL database tables for use by healthcare providers	

Projects

Repertoire Vault

<https://immense-tor-11241.herokuapp.com/>

- Full-stack CRUD web application
- Custom built persistent authentication service
- Implemented using: *Angular, Bootstrap, Material Design, MongoDB*, and *Heroku*

Hitch

- Cross-platform mobile application coordinating carpooling among college students as an alternative to expensive long distance travel options.
- Implemented using Google's *Flutter* framework

Polyphonic Real-Time Harmonizer

- Virtual instrument for use in live performance.
- Real time audio signal analysis to produce multi-voice autotune effect given a live vocal signal and midi input.
- Implemented using: *Max*

Artist Portfolio Website

rachelkobernick.com

- Editable portfolio website for career Opera singer.
- Responsive and elegant web design that functions on all device sizes

Technical Skills

Languages: *Java, C, JavaScript, TypeScript, Python, HTML, CSS, PHP, Swift, Dart*

Frameworks & Technologies: *Angular, Flutter, Firebase, MongoDB, Node*