Henry Zimmerman

CONTACT INFORMATION

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OBJECTIVE

I currently am looking for a Software Engineering Internship or Co-Op for the Spring (and possibly Summer) of 2018. While I hope to gain experience working in a Modern C++ codebase, I already have an adequate amount of experience in frontend web development as well as Java and would be comfortable in those environments.

EDUCATION

CURRENT	**The Rochester Institute of Technology**, Rochester, NY
	Currently enrolled in the SOFTWARE ENGINEERING PROGRAM.
	Expected Graduation: Spring 2019

PROGRAMMING SKILLS

Basic Knowledge:	C, C++11, PYTHON, DJANGO FRAMEWORK, PROTOBUF, BASH, UML
Intermediate Knowledge:	RUST, JAVA, ANDROID FRAMEWORK, HTML/CSS, NODE.JS, LATEX, GIT, GITHUB, DOCKER, LINUX AND UNIX-LIKE SYSTEMS
Experienced:	TYPESCRIPT, ANGULAR FRAMEWORK

PROJECTS

PERSONAL AND ACADEMIC

Cirqa:	Programmed a patent-pending radial keyboard designed to work on circular Android Wear devices.
CnC:Online Spymaster:	Published on the Google Play Store an Android app that shows current online players and games for the Command and Conquer series of games.
SemaPhoreBetterOrWorse:	Collaborated on an Android keyboard that inserted characters corresponding to semaphore flag positions given by two Microsoft Band 2s as part of the BadHacks hackathon hosted at Northwestern University.
HLWNPA:	(Henry's Language With No Pronounceable Acronym) I wrote a tiny interpreted expression based programming language using Rust and its parser combinator library Nom.
HealthNet:	Designed and implemented portions of a mock hospital appointment tracking application written in Python using the Django Framework as part of a group project in RIT's Intro To Software Engineering class.
FPTS:	(Financial Portfolios Tracking System) Programmed the majority of a mock equity tracking and trading system written in Java as part of a group project in RIT's Engineering of Software Subsystems class.

PROFESSIONAL

xgHealth @ Ocient:	Implemented a tool in C++ 11 that would read the current state of a distributed database via Protobuf and either output CSV or display the system health in a TUI.
xgWebui @ Ocient:	Assisted development of a webapp written using Angular 2, Typescript, and Node.js that facilitated configuration and management of a custom distributed database system. I worked on all aspects of the application, implementing numerous components, serializing to and from Protobuf and JSON, writing tests, simplifying code, and fixing bugs.

WORK EXPERIENCE

MAR 2013-AUG 2017	Rowing Instructor at ALLIANCE ROWING CLUB, Wilmette, IL
	Taught the basics of rowing to people new to the sport.
AUG 2016-JAN 2017, MAY 2017-AUG 2017	Software Engineer at OCIENT, Chicago, IL
	Worked on a webapp for interfacing with a distributed database using Angular 2. Implemented a system health diagnostic tool in C++.