

# Katie Volz

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<b>EDUCATION</b>	<b>Rochester Institute of Technology</b> - GPA: 3.66 (Dean's List - 6 semesters) - Bachelor's Degree in Game Design and Development w/minor in Electrical Engineering <b>Rochester Institute of Technology</b> - Pursuing Master's Degree in Software Engineering	Fall 2016-May 2020 Fall 2020-Spring 2022
<b>LANGUAGES</b>	Extensive experience: C++, C#, PHP, MySQL/MariaDB, Canvas, Lua, HTML Moderate experience: C, Javascript, Git, Bash, Actionscript, Java Some experience: CSS, Python, Ruby, Angular	
<b>PROJECTS</b>	<b>YingaDB/DatabaseTable</b> - Object-relational mapper for PHP - Connects to MariaDB/MySQL database or in-memory <b>Polish Engine</b> (Capstone) - RPC interface for games to run on a server and interface with any client - Open specification, open client and server libraries in development <b>Infinite Runner Project</b> - Implemented a simple game engine in DirectX/C++ - Led development on architecture and graphics features <b>TrialBot</b> - Bot for the Town of Salem forums to give users information - Created framework in PHP to scrape private messaging system of phpBB	Summer 2019-present  Ongoing Fall 2019 Summer 2016-Ongoing
<b>WORK EXPERIENCE</b>	<b>School of Interactive Games and Media at RIT</b> - Team Lead (Summer 2018-present) - Worked in PHP/MySQL/MariaDB to continue developing internal website - Designed & developed ORM system to modernize application - Created RPC callback system for the application - Used Phan, Psalm, and PHP_CodeSniffer via GitLab CI for static analysis of code - Created installation for Raspberry Pi machines for kiosk displays - Redesigning kiosk display using Canvas transitions - Led migration of application from PHP 5.3 to PHP 7 - Developing new ORM/API system for PHP 8 - Leading migration of frontend from ad hoc Javascript to Angular <b>Goodbye, Goodbuy</b> - Captain (Spring 2018, Spring 2019) - Coordinated to upcycle items that would otherwise have been thrown away <b>YingaTech UK Ltd.</b> - Director/President/Co-Founder - Small startup company, specializes in business-to-business software delivery - 3 active clients - Built four web servers on Virtual Private Servers via OVH - Developing custom Linux distribution to synchronize server updates	Spring 2018-Ongoing         Spring 2017-2019 2012-present

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