

# YANG LORENZANA

<https://www.ylorenzana.rocks/>

+1 (814) 915-1024  
ylorenzana95@gmail.com

---

## RELATED EXPERIENCE

### **Software Engineer, Intern**

**RendrFX, Inc.,** Erie, PA

Jan. 2018 – Apr. 2018

- Enabled the generation of user order reports by reworking script to use a recursive algorithm that retrieves data serially
- Increased test coverage by developing unit tests for platform's back-end API
- Facilitated the development of new unit tests by creating utility modules
- Fixed bugs and refactored code to adhere with modern JavaScript standards and improve readability

### **MIS/CIS Student Tutor**

**Mercyhurst University Tutoring Department,** Erie, PA

Sept. 2016 – May 2018

- Provided individualized and group assistance to students in the following courses: Programming I-II, Algorithms, Database Management, Linux/Operating Systems, Intro to Internet Programming, Client-Side Programming
- Guided students with the design and construction of programming projects

## EDUCATION

Mercyhurst University, Erie, PA

2014 – 2018

Bachelor of Arts: Information Technology, *Cum Laude*

GPA: 3.68

Minor: Business Administration and Business Economics

- Dean's List Scholar, 2016-2018

## PROJECTS

Node-Express-API-Auth

2018

- Developed project for adding user registration/login and authentication to Node.js APIs
- Designed and implemented authentication system to use server-side sessions; sessions are represented by bearer tokens (16+ random bytes generated by crypto module)
- Implemented synchronizer tokens as mitigation against CSRF

Stickyboard

2017

- Developed minimalist to-do list SPA on the MEAN stack
- Implemented endpoint authentication using JWTs

Finger Paint Mobile App

2014

- Developed a cross-platform finger drawing app using Lua along with Corona SDK
- Implemented clear, undo, brush sizing, and color picking functionalities

## TECH LANGUAGES/SKILLS OVERVIEW

- Languages: JavaScript, Python, HTML5, CSS3, SQL, Lua, bash
- Back-end technologies: Node.js, Express.js, Hapi.js, Socket.io, MongoDB, MySQL, Firebase,
- Web front-end technologies: Angular, React, Webpack, Babel, jQuery, SCSS
- Operating systems: Windows, Linux, OS X

## FOREIGN LANGUAGE SKILLS

- Fluent in English, Spanish, Italian, Basic French