YANG LORENZANA

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RELATED EXPERIENCE

***Software Engineer**, Intern*
RendrFX, Inc., Erie, PA   Jan. 2018 – Apr. 2018
- Developed unit tests for platform's REST API routes and endpoints
- Developed utility modules to facilitate the development of new tests
- Reworked internal tooling script to query Firebase serially using a recursive algorithm, to allow operations on the data that would otherwise be too large for the V8 engine to handle
- 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, Firebase, MySQL
- Web front-end technologies: Angular, React, Redux, Webpack, jQuery, SCSS
- Operating systems: Windows, Linux, OS X

FOREIGN LANGUAGE SKILLS
- Fluent in English, Spanish, Italian, Basic French