NATHANIEL LOUIS TISUELA

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ntisuela@uci.edu (916)-601-5371 tisuela.com

SKILLS

OO Languages	Python Java C++ C
Web Development	GraphQL Flask FastAPI Tomcat Express.js
Scripting	Powershell Javascript

EMPLOYMENT

Computer Network Technician, Advanced Power and Energy Program
Maintained, troubleshooted, and deployed over 100 machines.   2018-10 — Present
- Inspected and repaired XML documents to recover research, saving 3 weeks of work for students
- Developed powershell scripts to create technical reports and deploy for over 100 machines. This automation makes weekly tasks 3 times faster.
- Authored easy-to-follow guides to teach new softwares to over 100 users.
- Debugged Python software to resume monitoring of utilities in dozens of on-campus facilities.

Python SQL Powershell XML

IT Assistant, Lee Starloop IT
IT support to offer, deploy, and troubleshoot software/systems for various businesses.   2017-10 — 2018-10
- Conducted On-site and remote support for over 6 companies.
- Listened to problems and recommended software solutions for over 3 companies. Provided training afterwards.
- Authored written and verbal communication to troubleshoot issues with software and hardware for dozens of users.

Dameware Microsoft Office Computer Hardware Assembly

PROJECTS

Creator, CourseCake
Created a Web/Python API for developing course discovery apps.   2020-07 — Present
- Recruited and directed collaboration with other student developers from 3 other universities.
- Launched CourseCake to become the most active cross-campus API supporting GraphQL and REST endpoints, cataloguing thousands of classes.
- Publicized CourseCake through easy-to-understand and interactive documentation, making CourseCake a teachable tool.
- Developed sensible schemas to model course discovery based on existing course discovery tools.

Python FastAPI GraphQL REST SQLAlchemy

Developer, PeterPortal API
Collaborating with a team of 6 developers to make this tool available for students at UCI.   2020-09 — Present
- Identified SQL vulnerabilities.
- Proposed and implemented GraphQL, which simplifies 5 REST endpoints into 1 endpoint, making complex queries up to 500% more efficient.

Express.js GraphQL Node.js SQL

EDUCATION

UC Irvine
B.S. in Computer Science   2017-12 — 2021-06
Data Structure Implementation and Analysis Information Retrieval Principles in System Design Design and Analysis of Algorithms Computer Networks Databases and Web Applications

AFFILIATION

President, Acts College Ministry
Delegated event planning and led weekly meetings as first president of Acts @ UCI.   2019-09 — Present
- With the help of the board, Acts saw membership increase by 200%.
- Conducted migration to remote meetings and activities due to COVID-19 (maintained majority member retention) through close teamwork with the board and sister clubs.
- Designed a new website and established presence on UCI's online system, seeing over 70 student engagements in 2 days during a virtual fair.
- Coordinated large group events with a team of 6 members, averaging 2 large group events a month both before and after COVID-19