Lucas Gigliozzi

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EDUCATION

RYERSON UNIVERSITY
B. Eng. Computer Engineering
May 2020 | Toronto, ON
Computer Engineering with an emphasis in Software Engineering
2019-2020 Dean's List Recipient

EMILY CARR S. S.
Grad. June 2015 | Woodbridge, ON
Robotics club programmer grades 11 and 12

COURSEWORK

UNDERGRADUATE
Computer Networks
Embedded Systems
Machine Learning
Cryptography and Network Security
Object Oriented Programming
Digital System Design
Linux and Windows Development

SKILLS

TECHNICAL SKILLS
Proficient with:
Python • Django • JavaScript
Angular • SQL • HTML • CSS
Node.js • Git • AWS •GCP
Experience with:
C# • MongoDB • C
VHDL • Assembly • Matlab
Solidworks • uVision

MISCELLANEOUS

WORK EXPERIENCE

FELIX'S SWIM SCHOOL
Swimming Instructor
Jul 2013 - Jul 2015 | Vaughan, ON
Taught children of various ages how to swim. Knowledge of the red cross swimming curriculum, in addition to the A.W.S.I., W.S.I. and Standard First Aid certifications were necessary to become a swimming instructor.

References available upon request

EXPERIENCE

NU TERRA LABS | Intermediate Software Developer
September 2021 – Current | Remote
- Founding developer of NTL.
- Maintained and developed various projects for clients. Notably, the Respira IoT device and its infrastructure.
- Additionally, developed multiple Full Stack web applications using Django, Angular and GCP.

NEW EARTH SOLUTIONS | Python and GCP Developer
November 2020 – September 2021 | Remote
- Researched and developed cloud based solutions to enable an IoT device (Respira) to communicate with a web application.
- Python and Django were used for the web application's back-end and Google Cloud was used for deployment. Notable GCP features used include SQL, Firestore, IoT Core, Pub/Sub, and Cloud Functions.

HOMEWORK HELP GLOBAL | Full stack Developer
January 2021 – Current | Remote | Part Time
- Developed new features for their CMS, as well as resolved issues as they arised. The CMS was developed in Python/Django and hosted on AWS.

QUANTA VICI | Back-end Developer
June 2020 – October 2020 | Remote
- Designed, developed, documented and deployed an API for Quanta Vici's back-end to be used on mobile and web platforms
- Utilizing Python, Django and DRF in conjunction with a PostgreSQL database, the RESTful API allows user registration, login, Gmail SSO, as well as product and user activity tracking
- BitBucket and Git were used for version control and it was deployed on AWS

AVAYA | Software Integration Engineering Intern
May 2018 – Aug 2019 | Richmond Hill, ON
- Tested enterprise level and cloud-based telephony software, streamlined the software development process by automating testing and integration.
- C# and Ranorex were used for front-end automation and Python was used for back-end API testing.

PROJECTS

TRADER JOURNAL | Website Github
Dec 2019 | Made with: HTML, CSS, Javascript, Node, Express, MongoDB
Traderjournal.com is a website that allows investors, daytraders, or anyone with an interest in financial instruments to track their transactions.
Notable features include: user authentication, password retreival, RESTful back-end, responsive front-end.

DRONE BASED COMPUTER VISION AND LIDAR | Github
Nov 2019 | Made with: Python, OpenCV, numPy, LiDAR, C, I2C
Working in a team of four, we utilized computer vision to compare images of soil/farmland to a database and determine soil characteristics.