

Matias Tong

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Summary

Recent coding bootcamp graduate with a technical background and experience building web applications from the ground up. Dedicated to learning new technologies and finding creative ways to solve problems. Seeking an opportunity to leverage web development skills and collaborate in a team.

Skills

Programming Languages: Java, Javascript, CSS, HTML

Frameworks: Bootstrap, JQuery

Database: SQL, MySQL

Development: Spring MVC/JDBC/Security, Thymeleaf, Maven, Ajax, REST Architecture

Geospatial Analysis: ArcGIS, QGIS

Data Analysis: R

Education

Software Guild TechHire at LaGuardia Community College

Long Island City, NY

WEB DEVELOPMENT JAVA CERTIFICATION

Jun 2020

Macaulay Honors College at City College

New York, NY

BACHELOR OF SCIENCE IN BIOLOGY

Jun 2016

GPA: 3.81

Experience

The Software Guild

Long Island City, NY

JAVA APPRENTICE

Jan 2020 – Jul 2020

- The Software Guild is an intensive, fast-paced apprenticeship program that produces Java full-stack software developers with a focus on object-oriented programming and database-driven web applications
- Built a blog content management system, using Spring Security, Spring JDBC, and MySQL, with an editor dashboard where admin users can manage user permissions, posts, static pages and tags through CRUD methods
- Created a superhero sighting web application with Spring JDBC and Thymeleaf that allowed users to add and edit sightings, organizations, heroes and superpowers and store changes in a MySQL database
- Used Java and the Spring MVC framework to create a business application for a flooring company that enabled users to add, delete, and edit clients and orders. The program was also capable of reading and writing to files to allow for product and state tax updates
- Built websites from the ground up, a restaurant and a dice game, that incorporated multiple pages, imagery, and internal links using HTML, CSS, Javascript, and Bootstrap

Nature Conservancy

Cold Spring Harbor, NY

GIS TECHNICIAN/SEAGRASS MANAGEMENT DATA TECHNICIAN

Jun 2018 – Feb 2019

- Analyzed and organized eelgrass benthic survey data and digitized boat locations in aerial survey images collected around Fishers Island
- Produced an Excel database and ArcGIS shapefiles with relevant metadata for distribution
- Ensured data quality and integrity through communication with Nature Conservancy staff and QAQC
- Prepared final report to aid decision makers in evaluating seagrass management needs and the potential designation of special management areas
- Created maps and charts using R and ArcGIS illustrating seagrass extent and vessel use patterns
- Presented findings to Fishers Island stakeholders, including local and state agency officials and to Nature Conservancy scientists and administrative staff
- Digitized over 10,000 parking lots in Long Island identified as suitable for ground mounted solar and completed deliverables in a timely manner

Stephen Gosnell Lab, Baruch College*New York, NY*

RESEARCH ASSISTANT

Jun 2015 – May 2016

- Analyzed missing fish trait data using trait relationships and taxonomic information
- Retrieved, cleaned, and analyzed data for over 100 different families of fish from Fishbase using R
- Authored thesis paper and presented research to department faculty
- Maintained indoor and outdoor experiments at the New York Harbor School to test the impact of environmental stressors on oyster growth and survival
- Provided guidance to high school students in data collection