Matthew Townsend

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Education

WEB DEVELOPMENT EDX CERTIFICATION | UNIVERSITY OF WASHINGTON

- Demonstrated a practical understanding of full-stack development topics including HTML, CSS, JavaScript, Web API usage, jQuery, Node.js, Object-Oriented Programming, Express.js, MySQL databases, Object-Relational Mapping, RESTful API design, NoSQL (mongoDB) databases, Progressive Web Applications, React.js, graphQL, and creating a MERN app.

BACHELOR OF SCIENCE, CELLULAR/MOLECULAR BIOLOGY | UNIVERSITY OF WASHINGTON

Work Experience

QC SPECIALIST | FLOW CONTRACT SITE LABORATORY | 23/OCT/21 – CURRENT

- Worked in a CAP/CLIA, Biohazard level 2 laboratory performing quality control on generated data, daily instrument maintenance and set-up, and solution preparation.
- Assisted in pre-clinical lab operations, performing immunoassays, tissue dissociation, intracellular staining, operation of flow cytometers, and cytogram analysis.

FIELD TECHNICIAN | IDAX DATA SOLUTIONS | 03/OCT/18 – 05/JUN-21

- Collected traffic and ADA compliance data. Installed data collection hardware at specified locations using satellite mapping systems such as ArcGIS and Kappturit. Maintained equipment and vehicle.
- Created satellite maps of project site locations in ArcGIS and Kappturit, QC'd and processed data (made client ready), interacted with clients, handled project level client coordination.

ASSISTANT SUPERVISOR | WASHINGTON CONSERVATION CORPS | 03/OCT/16 – 22/SEP/18

- Worked with State Parks to complete several projects including maintenance of ecological recovery sites, and hiking trail maintenance/improvement.
- Gained proficiencies in plant identification, ecological maintenance strategies, power equipment usage, chemical handling, problem solving, teamwork, and community relations.
- Worked with FEMA to provide relief during Puerto Rico's 2018 hurricane Maria recovery, and Louisiana's 2017 post-flood recovery.