Nicholas Chin

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EDUCATION

Master's of Science in Business Analytics and Information Systems December 2020
University of South Florida, Tampa, Florida

Bachelor of Science in Environmental Engineering May 2017
University of Florida, Gainesville, Florida

EXPERIENCE

Civil/Environmental Engineer, Black & Veatch Engineering August 2018 – March 2019
Tampa, Florida
- Assisted in designing and restoring wastewater treatment plants focusing on the hydraulic modeling and pump design
- Oversaw the Hillsborough County sewer lining project and performing the calculations for liner dimensions and materials

Environmental Engineer, HSW Engineering July 2017 – July 2018
Tampa, Florida
- Working with assessment remediation team, responsible for conducting field studies, creating delineation models and implementing remediation techniques
- Assisting water resources team with MFL data analysis and create flow profile models
- Oversaw more than ten monitoring well installations statewide and a four-week 300,000 ft^2 excavation
- Tested and documented more than 20 monitoring wells for contamination in compliance with FDEP SOPs
- Completed numerous site assessment reports
- Drew site maps and contamination plume models in ArcGIS/Python software

RESEARCH

Undergraduate Research Assistant, University of Florida August 2016 – February 2017
Gainesville, Florida
- Assisted with the *Nutrient Recovery in Wastewater with Algae* project in Dr. Pullammanappallil's lab
- Implemented extracellular polymeric substance (EPS) from algae into different nutrient rich environments to close nutrient loops responsible for algae blooming and eutrophication
- Gained experience with chemical testing, including analyzing intermediate steps of algae growth to determine optimal growth conditions and nutrient recovery quantities

TECHNICAL SKILLS

Tools: SQL (SQL Server and Oracle), Python, C#, ArcGIS, R, Tableau, Power BI, Azure ML, SAS

Packages: Scikit-learn, Seaborn, NumPy, Pandas, SciPy, BeautifulSoup, Matplotlib, Statsmodels, Jupyter Notebook, Keras, TensorFlow

CERTIFICATES

E.I.T. (State of Florida) certificate, *Python for Data Science and Machine Learning Bootcamp*