Dylan Manchester

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Work Experience

HCL Technologies *Jan 2021 – Present*
Developer, Sacramento CA *Jun 2021 – Present*

- Building full stack applications with *MySQL*, *Spring Boot*, and *React* and deploying them to *AWS*
- Extensive *Azure* training with a focus on Machine Learning and AI services

Data Science Intern, Remote *Jan 2021 – May 2021*

- Designed image detection, time series prediction, and classification models in *Python* for domain specific use cases
- Exposed to *Java*, *JavaScript*, and *CSS* through optional training courses

University of Connecticut Department of Engineering, Storrs CT *Jul 2020 – Dec 2020*
Undergraduate Teaching Assistant

- Modified lecture content, wrote documentation, and developed template/solution code in *C* to educate and evaluate students

ISO-New England, Holyoke MA *Jun 2019 – Aug 2019*
Data Analytics Support Intern

- Implemented an automated *SAS* program to email a daily action-based report for correcting access rights
- Revised complex *SQL* views and *HTML* pages to reflect recent changes within the company

University of Connecticut Department of Geography, Storrs CT *Jan 2019 – Jun 2019*
Data Analyst

- Cleaned, processed, and presented survey data with missing values and typos so it can be used for further analysis
- Took initiative to learn Visual Basic for Applications (VBA) to accelerate data cleaning using VBA macros

University of Connecticut Q-Center, Storrs CT *Aug 2018 – May 2021*
Math and Physics Tutor

- Provide in depth explanations of practice problems in Calculus, Differential Equations, Linear Algebra, and Physics
- Ask thought-provoking questions to challenge comprehension and provide clarification for misunderstandings

Connecticut Forest and Parks Association, Middletown CT *Jun 2018 – Aug 2018*
Trail Crew Intern

- Built beam bridges up to 40ft and bog bridges up to 160ft long to reduce trail impact in wetland areas
- Rerouted trails by digging tread and forming stone staircases to decrease natural and human caused erosion

Education

University of Connecticut, Storrs CT *Aug 2017 – May 2021*
Bachelor of Science in Engineering
Computer Science and Engineering Major with Computational Data Analytics Concentration
Geographic Information Science Minor | Mathematics Minor
Summa Cum Laude - GPA: 3.97/4.00

Certifications

Microsoft Certified: Azure Fundamentals	*Jan 2022*
Microsoft Certified: Azure AI Fundamentals	*Jan 2022*
Microsoft Certified: Azure Data Fundamentals	*Jan 2022*
Microsoft Certified: Azure AI Engineer Associate	*Feb 2022*
Microsoft Certified: Azure Data Scientist Associate	*Feb 2022*
Microsoft Certified: Azure Developer Associate	*Mar 2022*