

Michael Young

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mkyoung.github.io

Salt Lake City

Education

University of Utah
Honors BS in **Biomedical Engineering**, Minor in English Literature, Minor in Chemistry
3.96 GPA / Magna Cum Laude

Salt Lake City, Utah
8/2011-5/2017

University of Utah
MS in **Computing**: Data Management and Analysis

Salt Lake City, Utah
8/2019 - 5/2021

Experience

Research Assistant

Bei Wang-Phillips, Scientific Computing and Imaging Institute, UofU
- Working on web-based visualizations for various research projects
- Contributing to a survey on visualization methods in astronomy

1/2019 – Present

Medical Technologist, Molecular Oncology

ARUP
- Extract DNA and RNA from patient samples
- Perform a wide variety of assays to identify specific mutations

1/2018 – Present

Intellectual Property Associate

Wasatch Microfluidics
- Surveyed the patent landscape to ensure uniqueness of company tech
- Generated comprehensive research summaries of patent-related findings

10/2016 – 05/2017

Bioengineering Research Engineer

Artificial Heart Program, Intermountain Healthcare
- Assembled LVAD in the operating room prior to implantation
- Conducted retrospective clinical research, and detailed data entry related to LVAD devices

1/2016 – 1/2017

Research Associate

Weiss Lab, University of Utah Dept. of Bioengineering
- Investigated effects of elastin on the mechanical properties of tissue
- Developed programs in MATLAB and LabView
- Wrote an extensive honors thesis on the research performed

12/2014 – 05/2016

Skills

Programming: Python (+pandas, numpy), JavaScript (+D3.js), HTML/CSS, SQL, PyTorch, MATLAB, LabVIEW

Other: Technical Writing, Microsoft Office, Adobe Illustrator

Relevant Coursework: Advanced Algorithms, Data Mining, Data Visualization, Machine Learning, Deep Learning, Clustering, Linear Algebra, Differential Equations