

# Michael Young

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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 research  
- 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 targeted 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), SQL, PyTorch, HTML/CSS, 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