Spencer Moffat

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# Education

## Brigham Young University | Provo, UT April 2022

Bachelor of Science: Neuroscience

* Minor: Computer Science
* 3.90/4.00 GPA
* Phi Eta Sigma (National Academic Honor Society), Men’s Chorus, Symphonic Band
* Relevant Coursework: Data Structures and Algorithms (C++) | Web Programming (JavaScript, Vue, Node, Express, MongoDB) | Discrete Structures (C++) | Computational Linear Algebra (Python) | Neuroanatomy

## Vernon Hills High School | Vernon Hills IL May 2017

* ACT Score: 34
* Illinois State Scholar, National Honor Society, Honor Graduate (weighted GPA ≥ 4.00/4.00)
* Choral Award of Excellence, Louis Armstrong Jazz Award, Sousa National Band Award

# Skills and Projects

**Technologies**:

* C++
* JavaScript (+ jQuery)
* HTML/CSS (+ Bootstrap)
* Python

**Projects**

See these and more at [smophat7.github.io](https://smophat7.github.io/)

* Pomodoro Productivity Timer
* Memory Game
* ISBN Convertor

# Experience

## Web Developer | Campus Accommodations, BYU August 2020 - Present

* Learning SQL, ASP.NET, and AJAX to help company make transition to Mendix (Rapid Developer Certified)
* Utilized HTML/CSS to fix errors and improve designs across company website

## Surgery Trainer | Addiction Laboratory, BYU June 2019 – August 2020

* Operated on the brains of living mice, specifically anesthetized intracranial injections which required active/post-operative pain management, suturing, and proper sanitation practices
* Became a trainer for incoming students to become certified by university veterinarian
* Maintained brain slices in artificial cerebrospinal fluid, constructed recording and stimulation electrodes, and diluted experimental drugs for voltammetric data collection

## Report Manager / On-Campus Intern | 17 Grapes Consulting January – April 2020

* Designed interactive mockups (using Moqups) for new PAAS focusing on intuitive and efficient functionality
* Managed creation and delivery of final reports to communicate team's vision and recommendations

## Co-Author / Research Assistant | Maxwell Institute, BYU April 2019 – January 2020

* Co-authored a history of a recently closed Institute department
* Synthesized information from various reports, academic papers, interviews, and press articles to construct an informative yet captivating article for publication