

# Jacob B. West

605.209.3466

[Jacob.b.west@mines.sdsmt.edu](mailto:Jacob.b.west@mines.sdsmt.edu)

## CAREER OBJECTIVE

Computer science undergraduate student looking for an internship position at a South Dakota based company, preferably in the Black Hills, doing software development and consulting utilizing the skills I have gained over the last 6 years.

## EDUCATION

B.S. Computer Science, May 2022  
Grade Point Average: **3.447**  
South Dakota Mines; Rapid City, SD

## RELEVANT SKILLS

Microsoft Visual Studio	Adobe Products	FAA Commercial Remote Pilot
C++	C# & .NET	OSHA General Industry Certified
HTML5, CSS, JavaScript	Vue.js & Nuxt.js	WordPress

## RELEVANT COURSES

Discrete Mathematics	Digital Systems	Differential Equations
Programming Techniques	RISC Assembly	Software Engineering
Circuits I	Cybersecurity	Database Management

## EXPERIENCE

- Engineering Intern, Omnitech Inc., Sioux Falls, SD** May 2020-present
- Developed applications in the Microsoft .NET stack with Azure
  - Worked with front end systems in JavaScript, Vue.js, Nuxt.js, and Blazor
  - Obtained my AZ-900 Certification: Azure Cloud Fundamentals
- Database Administration Job Shadow, Monument Health, Rapid City, SD** March 2017
- Manipulated data on the hospitals SQL servers
  - Discussed how to fix data transition errors while moving to a new system
- Lead Technician, PowerHouse Dance DJs & Sound Productions, Rapid City, SD** 2016 – present
- Work with clients directly to design events around their needs.
  - Routinely create complex and robust production solutions
- Graphic Designer, Sturgis Photo and Gifts, Sturgis, SD** 2015 – 2019
- Setup and maintained a local network of over 40 devices
  - Implemented and oversaw ShopKeep sales transaction system with four registers
- Lead Stage Hand, Rushmore Plaza Civic Center, Rapid City, SD** 2017 – present
- Lead productions teams, specifically in the audio division
  - Solve client challenges on the fly without sacrifice in quality
- Videographer, Black Hills Video, Rapid City, SD** 2017 – present
- Serve as a second shooter and production assistant for video shoots
  - Fly unmanned aircraft for filmmaking purposes
- Owner, SoDak Entertainment, Sturgis, SD** June 2013 – July 2016
- Built a working self-service photobooth from scratch
  - Donated over \$4,000 to local organizations
  - Sold company, its assets, and merged with PowerHouse Dance DJs

## RELEVANT PROJECTS

South Dakota State Student Council Convention April 2017 – April 2018

- Organized and directed convention of over 1,000 high school students
- Worked with a budget of over \$60,000 for the convention

SDSM&T Clock Tower Project Sept. 2018 – May 2020

- Collaborated with Facilities, Tallgrass Engineering, and Daktronics on the design
- A modern take on a classical campus clock tower
- Worked to fundraise a goal of \$120,000

Self Service Photobooth Feb. 2016 – April 2016

- Designed enclosure to contain the insides of the photobooth from scratch
- Completely self-contained touchscreen interface
- Fully customizable for each event
- Prints photos out automatically for the customer at the end

Website Design 2015 - Present

- Interpreted customer ideas and made it into a working design
- Worked with iterations and different organizational structures for webpages
- Example Pages:
  - [PowerHouseDanceDJs.com](http://PowerHouseDanceDJs.com)
  - [AffinityAutoSturgis.com](http://AffinityAutoSturgis.com)
  - [PatWestForSheriff.com](http://PatWestForSheriff.com)
  - [JacobWestCreative.com](http://JacobWestCreative.com)
  - [LiveToRide.com](http://LiveToRide.com)

Graphic Design 2015 - Present

- Worked with many brands and events to create attention grabbing graphics
- Design branded products and signs from end to end

## MEMBERSHIPS/ACTIVITIES

South Dakota Mines Student Association Senate Sept. 2018 - Present

- Vice President 2021-2022
- Chief Financial Officer 2019-2020
- Constitution Committee Chair 2020-2021
- Chair of Concert and Tree Stump Committee, Finance Committee
- Beautification & Surbeck Center Committee
- Library, Mineral Industries, and McLaury Building Renovations
- Represent South Dakota Mines at South Dakota Legislative Session
- Several other campus improvements and hiring committees

Theta Tau Professional Engineering Fraternity, Business Manager, Regent March 2019 – Present

Order of Omega Greek Honor Society, Treasurer Nov. 2020 – Present

First Year Student Mentor Aug. 2020 – Present

Orientation Leader Aug 2019 - Present

Young Americans for Liberty March 2020 - Present

KTEQ Campus Radio Sept. 2018 – May 2020

National Honor Society Sept. 2016 – Present

- President 2017-2018

South Dakota State Student Council Association April 2015 - April 2018

- State President, two years; Rushmore Region Reporter, one year
- All State Student Council award recipient 2018