

## EDUCATION

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- Colorado State University** 2021-Present  
*Masters of Computer Science (in progress) | GPA: 3.9/4.0*  
*Earned August 2020*
- University of Missouri, Saint Louis**  
*Equivalent of a Computer Science minor | GPA: 3.8/4.0*  
*Graduated October 2018*
- Savvy Coders Bootcamp**  
*Intensive 10-week program covering HTML, CSS, JavaScript, Git, Node.js*  
*Graduated May 2015*
- University of Missouri, Saint Louis**  
*B.A. in Media Studies | Pierre Laclede Honors College Certificate | GPA: 3.9/4.0 | Summa Cum Laude*

## PROFESSIONAL EXPERIENCE

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- Graduate Teaching Assistant (Python, Java)** **Fort Collins, CO**  
*Colorado State University* *Jan 2023 – Present*
- Teaching assistant for CS165 Data Structures and CS150 Culture & Coding offered by the computer science department
  - Supported course instructors by tutoring students on course content, grading assignments, and handling course logistics
- Data Science Intern (Python, SQL)** **Fort Collins, CO**  
*Mountain Data Group* *May 2023 – Aug. 2023*
- Researched, collected and preprocessed higher education data from various sources for analysis
  - Developed and implemented **machine learning algorithms** using **Python** and **SQL** to extract valuable insights from client data
  - Communicated findings and insights using data visualizations and presentations to aid in client decision-making
- Content Author (CSS, HTML, PHP, JavaScript, Jira, PowerBI)** **Saint Louis, MO**  
*Anheuser-Busch, Draftline Creative Tech Team* *Jan. 2021 – Jan. 2022*
- Spearheaded the end-to-end lifecycle and maintenance of custom, client-facing Adobe Experience Manager, Drupal and Hugo websites using **CSS, HTML, PHP and JavaScript** for 50+ national brand managed websites
  - Implemented **website analytics dashboards using PowerBI** to monitor and provide statistics on incoming sales, social media outreach, and full web traffic for client websites and team Jira tickets
  - Designed **website brand guides using Adobe Photoshop and Illustrator** for client development projects in cooperation with the Draftline Creative Tech team
- Web Developer and Content Coordinator (Wordpress, Mailchimp, A/B Testing, Google Data Studio)** **Saint Louis, MO**  
*Muv Marketing* *Nov. 2018 - Dec. 2020*
- Coded numerous **Wordpress websites using CSS, HTML, PHP, JavaScript**, various Wordpress plugins (Jetpack, Gravity Forms, Elementor, etc.) and the **Bootstrap framework**
  - Produced original social media content (written, digital, video) using **Airtable, Lingo, Hootsuite, and the Adobe Suite** across several networking platforms (Instagram, Facebook, etc.) for clients
  - Drafted custom emails in **Emma, Mailchimp, and SendGrid**, and **executed A/B testing** to generate the highest user engagement for various client email marketing campaigns
  - Created **marketing dashboards using Google Data Studio** to track sales, social media imprints, and web traffic for client products and websites
  - Assembled a **content library** with organized brand assets and ecommerce materials for Whitebridge Pets using **Lingo**
  - Drove the launch and sourcing of content for the Muv Book Pilot Program, an online course and personal growth system utilized by professionals across the country
  - Designed a **company culture deck** to encapsulate the values, growth systems, and standards that drive Muv Marketing
  - Facilitated multiple Saint Louis StartUp Grind monthly meetups focused on educating, inspiring, and connecting entrepreneurs

## Producer (Final Cut Pro, Adobe Premiere Pro, Book Writing/Editing and Video Production)

Saint Louis, MO

*What Drives Winning*

Jan. 2016 - Oct. 2018

- Video edited and assisted with filming over **200+ field and live interviews** of elite athletes, college coaches, and thought leaders
- Served as editor for numerous nonfiction books and workbooks pertaining to human performance, character development, and sport
- **Restructured and redesigned pages** of the What Drives Winning website to follow more intuitive **human-computer interaction design principles** and help with internal company initiatives and events
- Constructed a What Drives Winning **video library using Vimeo** to organize all digital content and streamline the video editing and publishing process
- Produced teaser videos using **Final Cut Pro and Adobe Premiere Pro** for the What Drives Winning website, social media accounts, and weekly newsletter
- Curated content for and managed the What Drives Winning Coach's Lab, an online course portal for coaches and athletic directors
- Organized and **executed logistics** for multiple What Drives Winning Conferences that brought together championship-level coaches to discuss what drives their success

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## EXTRACURRICULAR ACTIVITIES

- Video Producer, WashU Mckelvey School of Engineering (August 2014 - May 2015)
- Game Operations Intern, UMSL Athletics (August 2013 - May 2014)
- Team Manager, Division II Basketball at UMSL (August 2013 - May 2014)
- Team Member, Division II Basketball at UMSL (May 2011 - May 2013)
- Board Member, SAAC (Student-Athlete Association Council, 2013)

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## PUBLICATIONS

- Sikes, K., Keren, S., Sreedharan, S. (pending publication). Reducing Human-AI Goal State Divergence with Environment Design.
- Pickard, W., Sikes, K., Jamil, H., Chaffee, N., Blanchard, N., Kirby, M. & Peterson, C. (2023). Exploring fMRI RDMs: Enhancing Model Robustness Through Neurobiological Data. *Frontiers in Computer Science*.
- Khebour, I., Brutti, R., Dey, I., Dickler, R., Sikes, K., Lai, K., Bradford, M., Leigh, B., Hansen, P., Jung, C., Wisniewski, B., Terpstra, C., Puntambekar, S., Blanchard, N., Pustejovsky, J., Krishnaswamy, N. (2023). When Text and Speech Are Not Enough: Modeling Meaning in Situated Collaborative Tasks. JOHD.

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## ACADEMIC AWARDS

- The Mark McDonough Memorial Scholarship, UMSL Communications Dept. (Spring 2015)
- Dennis Bohnenkamp Scholarship, PLHC (August 2013)
- UMSL Chancellor's Scholarship (August 11 - May 2015)
- Pierre Laclede Honors College Scholarship (August 2011 - May 2015)

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## SKILLS & TECHNOLOGIES

**Languages:** Python, Java, C++, C, Bash

**Software and Tooling:** Git, Dreamweaver, Adobe Experience Manager & Microsoft Visual Code Development Environments, Final Cut Pro, PowerBI, Google Data Studio & the Adobe Suite (Photoshop, Illustrator, Premiere, etc.)

**Email Marketing and Web Development:** SendGrid, Mailchimp, Emma, Wordpress, Invision, Zeplin

### Relevant Coursework:

- Machine Learning
- Natural Language Processing
- Fault-Tolerant Computing
- Database Systems
- Object-Oriented Programming
- Programming & Data Structures
- Computer Organization & Architecture
- Systems Programming & Tools (Bash, Git, Linux, C)
- Analytical Geometry & Calculus I
- Probability & Statistics
- Elementary Linear Algebra

- Discrete Structures