

Rostik Mertz

CONTACT INFORMATION

562 Rocking Horse Drive
Bozeman, MT 59718

E-mail: antonmertz@gmail.com
Phone: 406.570.0929

EDUCATION

B.S., Computer Science, 2019

Montana State University, Bozeman

EXPERIENCE

Gallatin Elite Soccer Club, Bozeman, MT - Freelance Developer, Sept 2019 to Present

- Communicate with client to understand the desired websites purpose, features, and general workflow of users
- Develop website for players and coaches to log in, for players to fill out questionnaires, and coaches to read and give feedback on the content of individual players questionnaires
- The website is still in progress, the current published version can be seen here: <https://stormy-chamber-87776.herokuapp.com/users/login>

Technologies Used: NodeJS, MongoDB, Git

Montana State University, Bozeman, MT - Research Assistant - May 2016 to May 2019

- Collaborate with Graduate students and faculty to conduct cutting edge research in Computational Topology and Computational Geometry on shape analysis
- Receive MSU Undergraduate Scholars Grant for my research proposal investigating optimal bike station placement in NYC
- Published at, and attended, Canadian Conference on Computational Geometry in Winnipeg, CA
- Prove first version of Theorem 5 in publication mentioned before, titled "Learning Simplicial Complexes from Persistence Diagrams"
- Keep club website up to date, add weekly meeting pictures and notes for future reference, add members, and deploy website on MSU's domain

Xcentric Cloud Hosting Services, Bozeman, MT - IT Intern Jan 2016 to Sept 2016

- Communicate with clients to understand the issues they are having with our services
- Solve client problems if they are within my permissions to solve
- If client problems are not within the scope of my position, describe problem to level 1 in a timely manner so that the issue isn't forgotten about
- Discuss common issues in weekly meetings so that level 2's are aware of any problems that can be solved globally

Academic Experience

Completed Courses: Software Engineering Applications, Advanced Software Engineering, Advanced Algorithms, Advanced Computational Topology, Networks, Compilers, and Computer Security

The Clinic: Website for psychologists to keep track of their patients treatment progress based on the information provided in DSM V, and provide a template for users to create custom treatment templates.

Technologies Used: PHP, PHPUNIT, TravisCI, Git, Composer