MATTHEW SCHIAVI

Full Stack Engineer

716-901-3955   mmschiav@buffalo.edu

PROFILE

Software Engineer with a passion for working on complex problems. I enjoy working on challenging problems that allow me to explore multiple areas to find a solution. I developed this passion during my master's degree where I focused on High Energy Particle Physics.

Github   Linkedin

EMPLOYMENT HISTORY

❖ Full Stack Engineer, GritSeed .... Jan 2020 — Present
Buffalo

Full Stack Engineer for the GritSeed application (Gritseed.com). The application is a Flask application which utilizes AngularJS. We use AWS services to serve the application and host our postgreSQL database.

- Custom Document user interface that allows dynamic field inputs.
- WeChat integration for our Job-Req and Journeys product.

❖ Graduate Research Assistant, University at Buffalo .... Jun 2017 — Aug 2019
Buffalo

Monte-Carlo Integration of a Higgs Boson decaying to two botton quarks using the Vegas-Algorithm. Algebraic equations were calculated in Mathematica and then implemented in a fortran program.

❖ Teaching Assistant, University at Buffalo .... Jul 2017 — Aug 2019
Buffalo

Organized and Lectured 100 level physics courses to a classroom of about 40 students. Quizes were distributed weekly and graded. Office hours were held twice a week to assist students with homework.

❖ Undergraduate Research Assistant, University at Buffalo .... May 2015 — Jun 2017
Buffalo

Quantum Field Theory calculations and simulations using Mathematica and Fortran respectively.

EDUCATION

❖ University at Buffalo .... Sep 2012 — May 2017
Physics with Honors   Buffalo

Graduated with a minor in Mathematics. GPA: 3.0

❖ University at Buffalo .... Aug 2017 — Sep 2019
Masters in Physics   Buffalo

GPA: 3.92 Research focused on Quantum Field theory calculations which resulted in the following publication: https://arxiv.org/abs/1904.08960

SKILLS

Python	PostgreSQL ....
JavaScript	OpenMP/MPI ....
AngularJS	AWS ....