

# Keith Schmitt

Bachelor of Science of Computer Science

Grand Valley State University 2019

Minor Chemistry

GPA: 3.7

## Contact

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## Programming Languages (Proficient)

Python

C++, C

Java

HTML, CSS, JavaScript

## Programming Languages (Familiar)

Swift, Objective-C

Ruby

SQL

Go

## Topics of Interest in Computer Science

Application Development

Deep Learning, Image Processing

Web Backend

Mobile Application Development

UX/Application Usability

## Objective

Adaptive and Innovative Computer Science undergraduate seeking a position in collaborative application development.

## Experience

Michigan State University College of Bioinformatics

Dr. Bin Chen | 2018-Current

Image Processing/Deep Learning Intern

- Worked in a lab working with Artificial Intelligence, Statistical Analysis and Deep Learning to approach drug discovery.
- Interacted with Amazon Web Services to deploy projects and interact with ec2 instances, Sagemaker, and IoT.
- Worked with Python deep learning packages PyTorch, Keras, and Tensorflow to create various deep learning architectures such as Classifiers, Variational Autoencoders, Object Detectors, and deep Generative Adversarial Networks, mostly focusing on image data, but also worked with Gene Expression data as well.
- Wrote bash and python scripts for cleaning, automating, and filtering data.

Grand Valley State University

Wendy Steeland | 2016-Current

Math/Chemistry Tutor

- Helped students understand university level academics. Coursework ranging from Calculus to Biochemistry.
- Lead students to further understand difficult and abstract topics and decoded the concepts into understandable and logical concepts.

## Relevant Coursework

- Designed a Relational Database using SQL that kept a record for a retail phone business.
- Lead a small team and designed a Java implementation of the game Risk using an Agile methodology.
- Participated in the development of a semester long project focusing on usability and design of a smartphone fitness application.
- Examined OS architecture and the implications of processes, threads, system calls, and memory management in C++/C and Python.

## Extracurricular Activities/Volunteer Work

Campus Ministry Leadership

- Participated as a leader for connecting freshman to community and organizing community service events for the West Michigan Community.
- Lead a group of 20 on a service trip to help inner-city kids and renovate run-down housing in Orlando over spring break 2018.