Jason Medcoff

Seeking a position that enables me to apply my strong computational and mathematical background.

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Education

Bachelor of Science in Computer Science, minor in Applied Mathematics, *Oakland University*, Rochester, MI, *3.82*.   **2014–2018**

Experience

Vocational

Tutor, *The Tutoring Center at Oakland University*, Rochester, MI.   **September 2015–Present**

Providing tutoring services for students in traditionally difficult courses, in the areas of physics and mathematics

○ Supplemental Instruction: leading large study groups of 30+ students, meeting after class
○ Video Production: created freely available instructional video content for physics courses

Research

Biological Physics, *Steffan Puwal, PhD*.   **April–September 2017**

Applied nonlinear models to study effects of antiarrhythmic agents on cardiac electro-physiology

Mathematical Optimization, *Serge Kruk, PhD*.   **May–August 2017**

Designed and implemented algorithms using integer and constraint programming to solve timetabling and scheduling problems

Projects

Senior Design Class, *Nilesh Patel, PhD*.   **Fall 2017**

NDR.World: Designed a machine learning based system to identify animal species/breeds from images

Software Engineering Class, *Nilesh Patel, PhD*.   **Winter 2017**

Metacognitio: Created a database model to support a publishing-oriented enterprise resource software

Skills

Languages: Python, Lisp, C, C#, Java, SQL

Platforms: GNU/Linux, Microsoft Windows/Server

Tools: GNU Emacs, PyCharm, Visual Studio, Git, LaTeX

Mathematics: Modern cryptography, optimization, modeling and simulation

Communication: Experienced with one-on-one and group communication

Languages

English: Native

German: Limited working proficiency