



Dmitry Zamkov

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SUMMARY

Independent computer scientist; strong grasp of theory;
experience developing applications in multiple paradigms

EXPERIENCE

IT Intern, Venuity Healthcare
Newport News, VA — 2009 - Present

Independently developed software and customizations as needed by the company; currently maintaining discrepancy database, employee time-tracking software and document management system.

CS Mentorship, College of William and Mary
Williamsburg, VA — 2012 - 2013

Worked with Qun Li, a professor of Computer Science, to create a cryptographic library in C. The library focuses on Zero-Knowledge proofs, allowing data verification without sacrificing the privacy of contents. It serves as a foundation for further development within William and Mary's Computer Science Department

EDUCATION

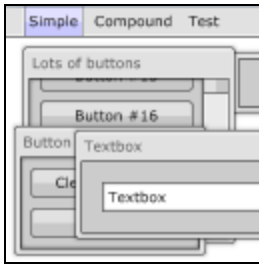
University of Illinois at
Champaign-Urbana
2013 - May 2016
BS in Computer Science, GPA 4.0

SKILLS

C#, SQL, F#, Java, Haskell, Javascript,
C++, C, Assembly (IL, PIC)
Linux, Windows
Git, Subversion
Desktop/Web Applications
2D/3D Visualizations in OpenGL



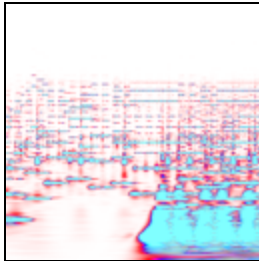
PROJECTS



OpenTKGUI

C#, OpenGL

A lightweight GUI toolkit built in OpenTK. This library can be used to add menus and windows to 3D games and applications



MD

C#, F#, C++

Creates interactive spectrogram representations of sounds and music. Uses libavcodec to import a variety of file formats



Hailstone

C#, OpenGL

A tool for visualizing the hailstone sequence (and other numeric sequences) as a 2D graph

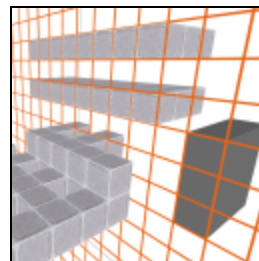
A screenshot of the 'PunchClock' application, which is an employee time tracker. It features a table with columns for time slots (3 AM, 6 AM, 9 AM, 12) and rows for employees (Bob, Steve, Mary, default). The table shows time entries for Bob (3:00 to 4:00) and Steve (8:30).

Entry	3 AM	6 AM	9 AM	12
Bob	3.00		4.00	
Steve		8.30		
Mary				
default				

PunchClock

C#, WinForms, SQL

An employee time tracker with an interactive timeline display for the manager. This proprietary system is currently in use at Venuity Healthcare.



3Life

HTML, JavaScript, WebGL

Web-based 3D "Voxel" editor and cellular automata simulator.



XChess

C#, OpenGL

A 3D chess game that allows the user to play against an AI opponent.