

Hunter Rasmussen

CS Grad interested in Videography

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About

I love learning new things and pursuing knowledge. I am driven by an innate curiosity to learn everything I can. I'm especially passionate about computer science and mathematics. I believe knowing and understanding fundamentals is critical to creating good products.

Education

B.S. Computer Science | Minor in Mathematics | Brigham Young University

Focused on theory and math-related classes in the C.S. major

Skills gained from favorite courses:

Concepts of Programming Languages

Explored the underlying properties of data and function abstraction/encapsulation and logical programming in numerous languages such as Haskell, Lisp, Julia, Erlang, and Prolog

Software Design & Testing

Created and tested a larger scale project of a modern board game involving multiple players over a network connection

3D Computer Graphics

Understood the mathematical concepts/algorithms and principles behind rasterization, lighting and shading, 3D-modeling, z-depth buffering, shadows, as well as built a ray-tracer

Linear Programming/Convex Optimization

Covered the algorithms for solving complex linear problems and discussed applications such as the stock market, structural optimization, network flow, distribution, game theory, and optimal paths

Languages/Tools/Applications:

C, C++, Linux, Java, Python, HTML, CSS, Git, Bash, Vue, JavaScript, Make, SQL, Node, Haskell, Julia, OpenGL, GLSL, Promela, Spin, Premiere, After Effects, Blender

Work

SUPAF | Independent Web Developer

2019-2020

Teamed with a Graphic Designer to restructure the Southern Utah Performing Arts Festival website. The effective redesign simplified user-registration experience

BYU Athletics Department | Video Technician

2013-2020

Wrote custom plugins and scripts for Adobe Suite software resulting in increased workflow efficiency. Filmed NCAA sports and interviews. Edited game

highlights. Directed and produced promotional videos for BYU Cougars website and Social Media pages. Edited historical all-time highlights for creative promotional displays

Volunteer

The Church of Jesus Christ of Latter-day Saints | Missionary 2014-16

BYU French Camp | Customs Interviewer 2014

Held interviews with camp participants in French as a role play activity. I like French and think everyone should learn a second language and culture.

BYU Love Struck Film | Gaffer/Lighting Specialist 2012

BYU PowWow | Computers Merit Badge Counselor

2012

Salt Lake Film – Zombie Night | Assistant Cameraman/Gaffer 2012