

Melvin Bosnjak

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Education

University of Utah
BS Computer Engineering

GPA: 3.24

Salt Lake City, UT
May 2019

Relevant Coursework:

- Software Practice I & II
- Digital System Design
- Computer Systems
- Computer Organization and Design
- Algorithms and Data Structures

Skills and Qualifications

Software:	Java	C#	Python	C
	C++	Verilog	Multisim	MIPS
	HTML	CSS	Javascript	LaTex
	Windows	macOS	Git	

Technical Projects:

Personal Website:

- Created a personal website using HTML, CSS, Bootstrap, Javascript, NodeJS, and Express.
- Visit www.MelvinBosnjak.com for additional information about me and my current projects.

Space Wars Game:

- Created a multiplayer Space Wars game with a client side network controller and graphical user interface that allows many clients to connect at one time.
- Constructed the server for the network controller that handles the logic of the game and sends information back to each client using TCP sockets.

Spreadsheet Program:

- Programmed and tested a spreadsheet application made up of cells capable of storing and calculating mathematical expressions.
- Created in C# using the MVC architecture.

UART:

- Built a Universal Asynchronous Receiver/Transmitter circuit that can communicate with a standard computer terminal.
- Written in Verilog using finite state machines, and embedded to a Nexys3 board using Adept.

Work Experience

University of Utah
Tutor - Burbidge Academic Center

Salt Lake City, UT
8/2016 – 10/2017

- Provided individual and small group tutoring to the several students a week.
- Tutor for Calculus 1, Calculus 2, Calculus 3 and Physics.

Intermountain Healthcare
Food Service Specialist - Intermountain Children's Hospital

Salt Lake City, UT
11/2015 – 8/2016

- Provided extraordinary service to patients, their families and staff by assisting the food and nutrition department with their duties.
- Ensured patients received appropriate meals according to their dietary restrictions in order to help them recover quickly.

Awards/Honors

- National Honor Society

2015