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Employment

Junior Application Developer	Synechron Inc.	January 2016 – July 2017
<ul style="list-style-type: none">• Built and deployed a web-based application for a major bank which tracks, analyzes and visualizes trade data flowing through an ecosystem of trade-processing applications• Designed and implemented multiple features from back to front end including user-customizable alerts and user preferences• Used Angular 1.6, JavaScript, CSS and HTML to create responsive UIs for the aforementioned features and many more.• JavaScript, HTML, CSS, Angular, Java, Spring, Oracle DB		

Personal Projects

Conway's Game of Life

Graphical implementation with a toroidal board. Customizable aesthetics and animation speed

Smart Group Maker

A teacher's tool that intelligently separates a class of students into a desired number of groups. A grouping algorithm sorts the students based on student averages, attempting to balance the worst students with the best to make equal groups

Digital Oscillator

A monophonic digital oscillator written using the Java Sound API. Uses audio buffers to generate audible sine waves. User controlled pitch and timbre

Web Text Adventure Engine

A web tool for writing text-based adventures that respond to user input. Branching plots implemented using linked-lists. Animated console-style presentation using JQuery

Musical Web Chat

A web chat room application that allows connected users to 'jam' using an in-browser piano. Made with Node.js, Express, and Socket.io

Languages and Technologies

Languages: Java, Javascript, SQL, HTML, CSS

Frameworks: Spring, AngularJS, Node.js, Express.js, Bootstrap

Other libraries and technologies: jQuery, Socket.io, Oracle DB, Unix, Git, SVN

Education & Training

The University of Texas at Austin

2008 – 2012

Bachelor of Science – Biology

Relevant Coursework: Intro to Programming, Data Structures, Logic

Synechron Internal Training

March 2016

Core Java, JDBC, Javascript, jQuery, Angular, Node.js, Express, SQL