Dylan Thinnes

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Education

International Baccalaureate Diploma from St. Mary's Intl. School   2015-2017

Theory of Knowledge: A in Extended Essay, A in ToK Presentation

Higher Levels: 6 in Maths, 6 in Physics, 6 in French, 5 in Design Technology

Standard Levels: 6 in Information Technology in a Globalized Society, 5 in English

37/45 Points Overall

University of Edinburgh, BSc in Computer Science   2017-2021

Functional Programming (Haskell) 1st Year Semester 1, 98% Overall Grade

Object Oriented Programming (Java) 1st Year Semester 2

Previous Employment

Aikido Instructor in Tokyo, Japan   Late 2016 - Mid 2017

This job made it clear to me that I prefer to work in a collaborative environment and that I enjoy learning through doing. I have an easy time taking instruction from those more experienced than me and helping those less experienced than me.

Duties

I instructed students between the ages of 5 and 15 in the martial art of Aikido on weekday afternoons and weekend mornings. No student I instructed failed to pass a belt test.

Programming Experience

Languages

Advanced	JavaScript (ES6+, NodeJS, ExpressJS, DOM Manipulation, CommonJS)
	SQL (MySQL, SQLite), HTML5 (DOM, Canvas), CSS3 (Bootstrap), SVG
	Currently working with React, MobX, JSX, Purescript
Intermediate	Haskell, XML, XSLT, JQuery
Basic	Java, Python, PHP

Tools

Vim, Git, Node Package Manager, Amazon Web Services (S3, Elastic Beanstalk, Lambda, Gateway), Linux/GNU command line tools, LibreCAD

Programming Projects

Jobber - A Job Application Tracker for Workers - React, Rails

    Taught me to:

        Work with ReactJS alongside Ruby on Rails

        Rails' "omakase" approach to development

        The finer details of React and Webpack

        Bootstrap design, how to work with and around it to present a professional yet functional site

    Description: A webapp for tracking progress in multiple job applications at a glance. Useful especially to those just entering the job market.

    Available at: **https://github.com/andmikey/jobber**

SolSys - A Math-Oriented Art Puzzle - JS, NodeJS, AWS Lambda, Gateway, S3

Taught me to:

Manage a large project and a team (Git, directing others, goal setting, issue tracking)

Apply my interests in front-end design and development

Amazon Web Services administration

Continuously reimagine my approach to a problem and solve it using new technologies

Description: A three-year mathematical art project which converts integers to unique, recursively defined solar systems. Makes use of server-side computation, front-end UI development, graphics optimization, and server-client communication.

Available at: **https://solsys.me** (WARNING: Use Chrome or Firefox)

Domainatrix - University of Edinburgh Domain Tracker - React, HTML, JS, CSS, SQL

Taught me to:

Basics and fundamentals of React development

Refactor apps to modern web dev techniques

Write and work with APIs

Optimize the DOM

Traverse DNS

Use SQLite

Description: A site for keeping track of the many University of Edinburgh subdomains.

Available at: **https://domainatrix.me**

svgtojs - Compresses SVG to Canvas Bitmaps Utility - JS, HTML, CSS

Taught me to:

Decide on and limit project scope

Reuse existing frameworks in interesting ways

HTML5 Canvas manipulation

Description: Converts SVG to HTML5 Canvas drawing commands

Available at: **https://svgtojs.github.io**

youtube-archive - A YouTube Video Organizer and Tracker - NodeJS, Shell, Python

Taught me to: Write npm command-line utilities

Description: npm command line utility for downloading and organizing YouTube videos.

Downloadable with npm: **npm install youtube-archive**

Additional Skills

Fluent in English, French, German

Black Belt in Aikido   **2017**

Head of Model United Nations at St. Mary's Intl. School   **2016-2017**

Received Speaker's Award, Harvard Model United Nations 2017

Received Best Delegate Award, MUNEXUS 2016

Captain of Debate team at St. Mary's Intl. School   **2016-2017**

Received St. Mary's Debate Team Most Valuable Player Award, 2017

Received Kanto Plain Speaker's Award, 2017

Senior Patrol Leader (Highest leadership position) for Scout Troop 51   **2015-2016**

Earned Life Rank (Second highest rank), 2016

Inducted into Order of the Arrow, Scouting's Honor Society, 2015