

# Dave Scott

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## SUMMARY

A data-driven analyst with 4 years of experience gathering large datasets and building detailed models for forecasting and reporting to a variety of companies. Over the past year, I have dedicated myself to learning full-stack JavaScript to increase my ability to manipulate datasets to create robust data visualizations through local and dynamic datasets.

## EXPERTISE

- JavaScript Frameworks
- RESTful APIs
- Financial Modeling
- Databases
- Data Analysis
- Risk Management

## PROJECTS

**NutriView:** A full-stack app built with React, MongoDB, Express, Node.js, and D3 allowing the user to visualize their nutritional intake. The app connects to an API to retrieve nutritional data and D3 creates dynamic data visualizations based on the user's inputted diet. D3 allows for users to have a clear understanding of their nutritional intake with compelling visualizations. (2016)

**Digital Survival:** A multiplayer game using Socket.IO, Angular 2, canvas, Node.js, Express, TypeScript, and JavaScript. It was initially built with each cell being an Angular 2 component, but there were performance issues. In refactoring, converting the cells into canvas assets helped to lessen the load on the framework resulting in a smoother delivery to the end user. (2016)

**CodeMaze:** A maze that is solved by answering coding-related questions and built with JavaScript, Node.js, and Express. Employs user authentication, a maze generated from an array supplied by an API, and a game engine to control the action. (2016)

## RELEVANT EXPERIENCE

### **CodeCraft School of Technology**

2016

#### **Full-Time Full-Stack Web Development Student**

*A 10-week hands-on training program offering a professional certificate in full-stack web development*

- Throughout this immersive training program, I worked on a large variety of projects that required the use of: HTML, CSS, JavaScript, TypeScript, jQuery, Node.js, Express, Angular 2, MongoDB, Bootstrap, and Git/GitHub.
- Spent over 80 hours a week in class and working on assignments, this included, but was not limited to, paired programming challenges, group projects, and individual mastery assignments. My focus was centered around, logic-heavy back-end engineering and front-end design and user experience while incorporating RESTful API's (see projects).

### **SolidFire**

2015

#### **Data Analyst**

*Acquired by NetApp for \$870M in 2015, provides all-flash cloud storage systems to clients*

- Assured data sources were free of irregularities by cross-referencing and validating records to meet tax compliance standards. This removed the risk of employee tax implications and improved employee satisfaction.
- Merged employee benefits data from multiple sources into SolidFire's new internal system and provided data to insurance carriers so that employee benefits coverage and billing could transition smoothly.

### **Aon Hewitt – Health and Benefits**

2011 – 2012

#### **Actuarial Analyst**

*A global consulting firm with over 72,000 employees and \$11.7B in annual revenue*

- Developed complex models and advised clients on appropriate reserves needed, often more than \$1,000,000, to cover outstanding claims and projected rate increases based on current data and plan design changes. This enabled clients to manage risk and effectively plan for future costs.
- Reconciled and scrubbed records to assure clean data when calculating claim thresholds given specific parameters. Created repeatable processes that expedited claimant's application.
- Coordinated client meetings with internal stakeholders to compile data of more than 100,000 claims which were submitted and accounted for millions of dollars in client reimbursements.
- Researched emerging regulations on governmental programs and communicated data requirements to assure future compliance in order to avoid penalties for clients. This resulted in a cost savings of up to \$2,000 per employee.
- Investigated error logs and debugged files in an iterative manner until submissions were successfully validated.

**Stratom, Inc.**

2009

#### **Production Operator/Analyst**

*A small engineering firm focused on government projects and supply chain management services*

- Conducted a time study analysis and developed automated scripts which optimized the operational efficiency of production lines by more than 100%.
- Managed rollout of firmware and software upgrades which facilitated more dynamic reporting for consumers and companies and delivered increased customer satisfaction.
- Aligned new hires with internal technical standards, software, and directed them through training process.

## **EDUCATION**

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**Full-Stack JavaScript-Based Web Development Bootcamp**, CodeCraft School of Technology, Boulder, CO, 2016

**Associate of the Society of Actuaries**, Society of Actuaries, Schaumburg, IL, 2012

- Graduated in the 98<sup>th</sup> percentile based on exam and classroom performance.
- Topics covered: financial mathematics and modeling, risk management, economics, statistics, and data analysis.

**Bachelor of Science in Economics and Philosophy**, University of Michigan, Ann Arbor, MI, 2004

## **OTHER TECHNICAL SKILLS**

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SQL, JSON, Bash, npm, Sublime Text, Atom, Heroku, Stata, webpack, React, Redux, Angular 2, D3, HTML, CSS, Bootstrap, Node.js, MongoDB, Mongoose, Express, JavaScript (ES6), jQuery, Git/GitHub, Socket.IO, responsive design, RESTful APIs