

**TIMOTHY DAVIS CALHOUN**  
**Full Stack Software Developer**  
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### **Professional Statement**

Civil Engineering degree holder with a unique combination of skills - broad programming knowledge, extensive data science experience, and an affinity for process analysis – looking to utilize my abilities and experience to provide value and make an impact at your organization. Unlimited relocation availability.

### **Technical Skills**

- **Programming/Development**
  - **Languages** - C#, Python, SQL, HTML, CSS, JavaScript, XML, JSON
  - **Web Frameworks** - ASP.NET MVC, Django, Bootstrap, jQuery
  - **Database Technologies** - Microsoft SQL Server, SQLite
  - **Version Control** - GitHub & GitHub Desktop Application, Git Bash, Team Foundation Server
  - **IDE's** - Visual Studio, PyCharm, IDLE
- **Engineering** – Degree in civil engineering with an aptitude for solving complex technical problems.
- **Data Science** – Proficient in all segments of the data science life cycle - capture, maintenance, process, analysis - and the ability to communicate the data with visualizations & reports that improve business intelligence and aid in decision making.
- **Process Analysis** – Able to identify procedural gaps, redundancies, and inefficiencies and construct optimized solutions.
- **Technical Writing** – Experience with procedural technical documentation.
- **Microsoft Office Suite** – Excel, Word, PowerPoint, Access

### **Professional Experience**

#### **Internship – Full Stack Software Development (Jul 2019 – Aug 2019)**

##### **Prosper IT Consulting – Golden, CO**

- Four consecutive 2-week live projects developing a real-world application in an agile/scrum environment.
- Within the ASP.NET MVC design framework, I expanded my knowledge of C#, HTML, CSS, and JS/jQuery by implementing the following features: dynamic password validation box, mobile compatibility enhancements, dynamic navbar with translating icon, and styled & animated footer.
- Within the Django framework, I developed my skills working with Python, HTML, and JavaScript by designing a graph that would take user inputs from a data entry form, pass them through the view, and display them on a graph.
- Sample code can be found via my portfolio or GitHub.

#### **Data Technologist – Deepwater Exploration and Projects (Jan 2013 – Dec 2018)**

##### **Chevron - Houston, TX**

- Improved organizational efficiency and enabled rapid data analysis by developing custom cost forecasting and well monitoring tool for engineers. The tool utilizes personally written VBA macros to automate processes. Allows users to better forecast and plan.
- Evolved knowledge of statistical principles as the Subject Matter Expert for RMX – a probabilistic time and cost estimation software. Enhanced interpersonal and leadership skills as the host of a monthly training course.
- Developed technical writing skills by creating technical guidance documents for various procedures to be used by the business unit.
- Designed, improved, and maintained offset data to be used in RMX cost estimation. Involved thorough QA/QC of all wells.

#### **Civil Engineering EIT – Public Works (Sep 2010 – May 2012)**

##### **Brown and Gay Engineers - Houston, TX**

- Improved problem-solving skills by performing water system database analysis in Excel, including developing complex formulae, cost analysis, goal seeking, and process optimization.
- General QA/QC of water line plans, specifications, contract documentation, and various engineering reports to ensure compliance with regulations and verify accuracy and consistency.
- Developed managerial skills through aiding in design-bid process. Scheduled and coordinated all stages from advertisement, pre-bid to bid opening to ensure seamless and efficient process execution.

## **Education and Training**

### **Software Development**

#### **The Tech Academy – Denver CO (Mar 2019 – Aug 2019)**

Six-month Software Development Boot Camp with hands on work covering a variety of topics: fundamentals of technology & computer science, HTML, CSS, JavaScript, Python, C#, SQL & database design/management, and Version Control. Includes four 2-week live projects in a professional environment, working in Azure DevOps. These projects allow students to test and expand their knowledge by writing original code to solve problems while working with a team.

#### **Bachelor of Science, Civil Engineering – GPA 3.67**

#### **University of Texas at Austin (Aug 2005 – May 2009)**

## **Professional and Personal Skills**

- Expert level score on Indeed.com assessments: Problem Solving, Critical Thinking, and Data Analysis
- Self-motivated hard worker, with strong analytical skills and attention to detail.
- Flexible and adaptable team member – can take on leadership or supporting roles.
- Excellent technical writer - able to communicate objectives clearly and concisely.

**Additional employment experience as well as references and test score are available upon request**