Owen Fulton

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EDUCATION

University of Colorado at Boulder   **August 2017-May 2021**

College of Engineering and Applied Sciences (Engineering Honors Program): B.S. Computer Science
    Cumulative GPA: 3.81/4.0
- ***Relevant Courses*:** Algorithms, Computer Systems, Operating Systems, Network Systems, Software Development and Tools, Data Structures, Data Science, Intro to Artificial Intelligence, Cybersecurity, Computer Graphics, Discrete Math, Datacenter Scale Computing

University of New South Wales at Sydney   **Jan 2020-May 2020**
    Marks: High Distinction

D'Evelyn High School: Graduated 3rd in class   **August 2013-May 2017**
    Cumulative GPA: 4.2/4.0

TECHNICAL SKILLS

Languages: Python, C++, Swift, C, SQL, Scala, JSON, HTML/CSS
Software/Packages: Hadoop, Docker, Kubernetes, NumPy, Pandas, SciKit-Learn, Matplotlib, LaTex

EXPERIENCE

Lockheed Martin Space   **Aug 2020-Present**
CU Capstone Software Engineer
- Project Member supporting the Testbed and Simulation (Tb&S) use of AI/ML models to transform the design, development, production, testing and operations of space-based systems
- Developing a tool that enables the translation of key inputs & outputs from behavioral models to simulated inputs and outputs

Western Mechanical Solutions   **May 2016-Aug 2020**
HVAC Technician
- Learned controls and electrical systems, airflow in commercial air-conditioning units
- Assisted in startup and installation of the units along with programming of additional controls devices
- Coordinated factory orders and helped coordinate the company's database for tracking parts and sales

PROJECTS

Cloud Based Shipping Management System
- Created an application to optimize the shipping process for an electronic refurbishing company. The application utilizes Docker, Kubernetes, REST APIs, Redis, and TravisCI for workload management, client-server messaging, storing of shipping information, and continuous build integration
- Deployed the service and application to Google Cloud and utilized RabbitMQ to create a publish-subscribe message queue so worker instances could handle costly API request operations

User-Based Recommendation Website
- Developed an interactive application that pulled from a dynamic postgreSQL database hosted on Heroku and compared users' profiles to provide suggestions for new titles, all displayed on a browser front-end
- Provided unique and accurate recommendations based on the implementation of user-based and item-based collaborative filtering algorithms in Python

HONORS AND AWARDS

- CU Esteemed Scholars Scholarship (2017, 2018, 2019, 2020), Engineering RAP Award (2018, 2019, 2020)
- Engineering Merit Scholarship- Lloyd D. Fosdick Award (2018, 2019, 2020, 2021)
- Rensselaer Medal (2017)