Eliot Solbrig
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Technical Skills and Abilities:

- **Software/Programming/Platforms:**
  - Javascript, Golang, Python, VBA, HMTX
  - SQL - Database management and performing queries/stored procedures for data analysis
  - REST APIs, Git, Docker
  - Experienced developing/deploying software on Linux systems
  - Google Cloud Platform - Cloud Run/SQL/Cloud Storage
- **Process/Production Engineering**
  - Process and Equipment troubleshooting skills
  - Experienced in operation of Distributed Control Systems, Manufacturing Execution Systems,
  - Experienced working with and training operators in manufacturing environment.

Education:

University of Michigan, Ann Arbor MI   **Graduated May 2022**
BSE in Chemical Engineering   Cumulative GPA: **3.49**

Work Experience:

Takeda Pharmaceutical Company, Social Circle, GA   June 2022 - Present
Production Engineer

- Built/manage application in VBA which monitors process times in order to catch and correct process delays. Managed and facilitated user feedback to continuously improve the application.
- Reduced manufacturing events, user interventions, and batch record alerts.
- Troubleshooting of equipment, software, and process issues in GMP manufacturing facility for a batch biopharmaceutical process.
- Identified and developed opportunities to reduce cycle time, error proof operations, and eliminate waste.

SDE Technologies, Atlanta, GA   January 2023 - Present
Company Owner

- Identified target problem to solve, performed market research on problem.
- Managed team of developers in development of web applications

Software Developer

- Developed webapp using a Nodejs backend and Reactjs frontend. Creation/management of MySQL databases
- Deployed/Managed GCP applications and services
- Utilized SQL to perform data analysis for visual presentation of critical data
- Developed Javascript server that automates phone calls and collected data from responses.
- Assisted with development/migration/deployment of webapp using server side rendering with Golang.
- Deployed servers/databases to production environment.

BAE Systems, Sterling Heights, MI   July 2019 - June 2022
Product Environmental Engineering Co-Op/Technical Intern 3

- Communicated and collaborated cross-functionally with other engineers and vendors, in managing of data and production of deliverables and reports for the customer.
- Improved the efficiency of data collection, management, and analysis processes using VBA and Python.
- Reviewed drawings for chemical and material data for use in environmental hazard analysis and production environmental technical documentation.

University of Michigan Automotive Lab, Ann Arbor MI   May 2019 - July 2019
Mechanical Engineering Research Assistant I

- Assisted in the handling and preparation of chemicals, as well as running experiments for the collection and processing of Derived Cetane Number (DCN) data for fuel research.
- Developed thermal model of turbocharger using Simulink and multiphysics simulation software, solving for outlet turbine temperature.
- Assisted engineering technicians in operation, repair, and installation of equipment and engine components.