SH

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OBJECTIVE

To bring my analytic, programmatic, and problem solving skills to an engineering role with an organization that values innovation and fosters community.

EXPERIENCE

Solutions Engineer III, Business Technology   *May 2018 – Present*
Zuora - San Mateo, CA

Architected Python-Flask/Pandas middleware on MySQL database to convert billions of dollars of subscriptions into ASC 606 revenue, compatible with various revenue recognition systems. Engineered B2B Node-Express e-commerce platform selling/provisioning Zuora University and other training products, capturing millions of dollars annually. Completely rebuilt lead generation/sales funnel, seamlessly integrating several standalone platforms into CRM, handling 1000s of new leads every day. Re-designed the Zuora test drive process, auto-generating and de-provisioning free trial product sandbox demos for 100s of new users daily. Coordinated with Applications team for regular sprint planning, code-reviews, and other Agile practices.

Data Analytics Specialist   *May 2017 – May 2018*
NRT LLC - Deerfield, IL

Directed process automation for day-to-day reporting and transaction processing roles. Engineered Python report generating platform to automate and customize internal reporting. Redesigned internal performance tracking and delivered informative, interactive dashboards for multiple KPIs for all 27 US companies. Developed experience-based, quantitative productivity expectations for 200+ full-time employees (FTEs). Engineered staffing resource models for centralization to determine when to hire/train 128 new FTEs. Authored ad-hoc reports to senior leadership including COO and CFO.

Operations Data Analyst Intern   *May 2016 – March 2017*
U.S. Venture - Appleton, WI

Streamlined weekly and monthly site performance reports. Performed comprehensive analysis of power utilization resulting in significant tax savings (~$120k/year). Restructured site service protocol and data management for 54 North American locations with regression analysis model. Provided corrective actions for CNG equipment and used quantitative analysis to evaluate improvements. Modeled and optimized equipment lubricant and electrical consumption by forecasting demand.

EDUCATION

B.S. Industrial and Systems Engineering   August 2014 - *May 2018*
Georgia Institute of Technology - Atlanta, Georgia   *Graduated with High Honors*

SKILLS

Coding/Software:
- **Python**: Data wrangling/analytics & workflow automation with **Pandas**; constructing web applications and RESTful APIs using **Django** and **Flask** frameworks; API interactions with **requests**
- **JavaScript**: Designing server environments and web APIs with **Node** & **Express**; building complex **React** components/managing state with **Redux**; visualizing interactive dashboards with **D3**
- **SQL**: Building complex/dynamic queries across variety of object query languages; architecting efficient databases with **MySQL** and other RDBMSs
- **Apex:** Constructing Salesforce components/pages and designing intelligent objects/triggers within SFDC
- **General Proficiencies**: HTML, CSS, version control, Linux, Jira, bash scripting, MS Excel, PowerPoint