PRESTON HALE

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WORK EXPERIENCE

<u>Senior Software Engineer</u> - *Teampay*   **Aug 2016 - Present**

Create and implement design specs, collaborate with growing team of engineers. Write bug-free code to quickly implement rapidly changing technical requirements. Stack includes Python (Django), Javascript (jQuery, React), Postgresql, Amazon Web Services (AWS), Docker.

● Design, build, maintain and grow a first-stage startup from complete scratch as the first hire.
● Maintained containerized infrastructure for application using AWS and Docker. Built containers from ground up.
● Built natural language chatbot to interact with customers, complete orders, set options, and make data queries.
● Custom built customer service features including open-sourced MEGATRON, a tool allowing service reps to take over chatbots and respond to customer inquiries.
● Became absurdly good at developing UI elements to succinctly communicate complicated data to customers.

<u>Director of Data Strategy</u> - *Beginning with Children*   **Oct 2015 - May 2016**

Responsible for design, construction and maintenance of web application for three school sites and district headquarters. Provided custom reporting solutions to school administrators and teachers. Responsible for New York state and board data reporting. Supervised two site Data Associates.

● Complete full-stack development of Django web apps to track staff attendance, report NY state data collection, and build student and parent facing web portal including front-end developing with jQuery.
● Designed and maintained reports using web data-presentation technologies such as d3.js and Google Charts.
● Interacted with and maintained multiple PostgreSQL databases for student and staff information.
● Designed custom reporting tailored to board requests using Tableau.
● Built over 40 custom reports using groovy and PL/SQL.

<u>Data Systems Developer</u> - *Beginning with Children*   **Dec 2014 - Oct 2015**

Design systems to facilitate staff knowledge and use of internal data systems at three school sites. Build dashboards and reports presenting data in accessible manner. Maintain custom PostgreSQL data warehouse. Design, build and maintain web reports and applications using Python2.7, Django, Google Charts, and Bootstrap.

● Participated in design and creation from scratch of a Django-based web app and reporting portal for sites.
● Built statistical predictive models of student performance based on past performance using GNU Octave.
● Collaboratively designed and iterated upon XML-based report card system with school leadership.

<u>Program Coordinator</u> - *United Cerebral Palsy*   **<u>June 2013 – Dec 2014</u>**
<u>Habilitation Specialist</u> — *United Cerebral Palsy*   **<u>Sep 2012 – June 2013</u>**

PROJECTS

<u>The Great Bear</u> - *<u>Skyrim Creation Kit Quest</u>*
Link: https://steamcommunity.com/sharedfiles/filedetails/?id=285580543
<u>Keep It Groovy</u> - *<u>Global Game Jam 2017 Submission</u>*
Link: http://globalgamejam.org/2017/games/keep-it-groovy
<u>RPG Priest Simulator: Game of the Year Edition</u> - *<u>Global Game Jam 2016 Submission</u>*
Link: http://globalgamejam.org/2016/games/rpg-priest-simulator

SKILLS AND TECHNOLOGIES

● Python, C#, Javascript (jQuery, React, Typescript), XML, HTML, CSS (Less, Sass)
● PostgreSQL, Docker, Amazon Web Services (EC2, S3, ECS, more)

University of Florida - Bachelors of Science: Psychology; Minor Business Admin   **<u>Graduated 2011</u>**