

Paul Dorsch

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OVERVIEW

Dedicated, adaptable software engineer experienced in the full lifecycle of software development and team-oriented work. Professional design and development of internal applications which provide employees with the tools needed to manage specific data effectively. Known to quickly learn new technologies and begin immediately creating production-level code as a team member or independent developer.

EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2015 – Anticipated December 2019

- B.S. Computer Science – Intelligence and People specializations

TECHNICAL SKILLS

- **Programming:** Python, Javascript, Java, Django, HTML, CSS, SQL, React, Node
- **Cloud Integration:** Google Cloud Platform, Google App Engine, Google Pub/Sub, Google Dataflow, AWS
- **Collaboration:** Scrum, Agile, Github, Continuous Integration, Zendesk, Testing

WORK EXPERIENCE

Turner Broadcasting - *Software Development Intern*

January 2019 – May 2019

- Reduced internal C#.NET API routes response time from 15s to 0.5s by condensing data and implementing indexing
- Developed a ReactJS web interface that allows employees to find missing content quickly to increase productivity
- Organized and facilitated Agile and Scrum meetings, leading the intern team to meet bi-weekly deadlines

Cloudbakers (2018) - *Software Development Intern (Data Analytics/Cloud Computing)*

May 2018 – August 2018

- Used Google Cloud tools like Dataflow, Pub/Sub, Cloud Functions, Cloud Storage to build demos for Google Next
- Developed a Django web portal for a client using the collaboration tools Travis CI, Codacy, and Zenhub
- Built repositories for internal use to streamline the use of Philips Hue Remote API and a faux streaming process

Cloudbakers (2017) - *Software Development Intern (Web App Dev)*

May 2017 – August 2017

- Created a Django application used daily by Cloudbakers that compiles data from multiple customer relations services
- Worked directly with clients to develop system integrations with their Zoho Customer Relation System

Georgia Tech Wreck Techs - *Residential Technical Advisor*

August 2017 – Present

- Responsible for maintaining Georgia Tech's network infrastructure for over 15,000 connected clients

PROJECTS

Fitbit to Strava Quotes

- MERN stack web app which uploads Fitbit metadata to Strava to document my cycling trip from Seattle to DC
- RESTful API stores quotes and assigns a random motivational quote upon successful upload
- Deployed on an AWS EC2 instance as a subdomain of my website: quotes.pauldorsch.com

BART Weather Map Visualization

- Streams multiple GBs of raw text data into a Google Dataflow pipeline which manipulates it into a directed graph
- Successfully condenses the data into 1/50th of its previous size and streams it into a custom built D3 visualization

Google NEXT Demo – Sentiment Cloud

- Built a RESTful API to take a sentiment score and display it in CIE color space between red and green
- Runs sentiment analysis on helpdesk tickets to manipulate the color of a cloud demonstration at Google NEXT 2018

BakedIn Web Application

- Consolidates data from 6 different customer relations services into a single application still used daily by Cloudbakers
- Numerous features such as Google+ Authentication, Cron jobs, advanced searching with .csv generation

OTHER SKILLS

- **Communication:** Tutored CS Club Members, GT @ UPC Hackathon, Mentored fellow Turner intern
- **Leadership:** Pi Kappa Phi Fraternity - Brotherhood Chair (managed budget of 7k to plan events for 80+ people)
- **Volunteerism:** Journey of Hope Summer 2019 – Cycled 4,350 miles from Seattle to DC with 100 other men in Pi Kappa Phi to raise over \$500,000 for people with disabilities