

Luke Meier

Software Developer

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PROFICIENCIES

Languages

C++, SQL, Python, C, C#, HTML/CSS

JavaScript/TypeScript, bash

Tools

Django, pandas, Highcharts
Node.js, Backbone.js, Unix, git
Bootstrap, jQuery, Lodash
Chrome extension API, Unity
Adobe and Microsoft Suites
Heroku, Visual Studio, vim
Flask, Amazon Web Services
MongoDB, DynamoDB

EDUCATION

BS Computer Science, May 2019

Grove City College

Dean's List with High Distinction

GPA 3.9

Coursework

Algorithms & Data Structures
Operating Systems
Computer Architecture
Database Management
Games Design 1
Networking
Machine Learning
Intro to Artificial Intelligence
iOS Programming
Computer Security

INTERESTS

Secretary for Phi Omega Sigma
Association for Computing Machinery
Guitar, piano, writing, data viz, UX
Photography, videography, vlogging

EXPERIENCE

Amazon Web Services, EC2

Software Development Engineer Intern | Seattle, WA | Summer '18

- Designed, configured, and deployed a serverless architecture for a low traffic service to save on operational costs
- Alleviated product managers daily workload by automating the maintenance and collection of product data with a Python and Flask based service
- Ensured smooth, tested, and available releases with continuous deployment

Senseware, Inc.

Software Engineer Intern | Washington, D.C. | Jun '17–Jan '18

- Led the documentation and development of an error reporting tool to simplify customer support and hardware debugging
- Refactored codebase to extend the capabilities of the data visualization API
- Enabled customers to manage digital meters with a new Backbone.js web app, saving our small team of developers from hours of manual configuration

Technical Learning Center Helpdesk

Customer Support | Grove City, PA | May '17–May '18

- Ensured the proper resolution to frustrating technical problems
- Kept detailed records on client problems to accelerate future troubleshooting

Propark America, Inc.

Web and Video Intern | Hartford, CT | Summer '16

- Unified Propark's national brand through a single content aggregate site built with Django and Python for use in sales and recruitment
- Automated a common, tedious task with a VB Macro, freeing analysts' time
- Managed DNS configuration to ensure reliable routing at a low cost

PROJECTS

Own Your Time

- A productivity app on the Chrome Store designed to enable people to browse the Internet with purpose and stop haphazardly wasting time on distracting sites
- Developed using JavaScript and the Chrome extension API, and designed with Adobe Illustrator and HTML/CSS

Poemrad.io

- A Pandora-like app to give amateur poets and poetry lovers an opportunity to find and share poetry with people who genuinely want to read their work
- Utilizes collaborative filtering to curate and personalize content based on previous preferences so that they only see poems they'll enjoy
- Developed using Python, Django, jQuery, and various third-party extensions

Gibberish.js

- A client-side JavaScript tool to detect non-English text
- Ported from a Python classifier that uses Markov Chains to categorize inputs

Data Visualization

- Kept detailed records for a semester of coursework to plot and understand the life cycle of undergrad work
- Cleaned and processed data using Python and Pandas, then visualized using plot.ly