

Luke Meier

Software Developer

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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

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

INTERESTS

Secretary for Phi Omega Sigma

Association for Computing Machinery

Guitar, piano, writing, data viz, UX

Photography, videography, vlogging

EXPERIENCE

Software Development Engineer Intern

Amazon Web Services, EC2 | Seattle, WA. | May '18–Present

- 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

Software Engineer Intern

Senseware, Inc. | 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

Customer Support

Technical Learning Center Helpdesk | Grove City, PA | May '17–Present

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

Web Development Intern

Propark America, Inc. | 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

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

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

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