

# 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