

Matthew Bernas

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Objective

To acquire a full time Software Engineer position starting June 2018

Education

B.S., Computer Science, Virginia Tech, Blacksburg, VA, May 2018

Technical Skills

CSS	JSON	PHP	C
HTML	NodeJS	SQL	Java
JavaScript	Ruby on Rails	XML	Python

Projects

VT Library Website

VT ITS (Fall 2017), <https://www.lib.vt.edu>

- Managing, optimizing, and transferring the new VT library website from its previous infrastructure
- Documenting for library staff to be able to reproduce and maintain their own site
- Applying experience with creating web pages using HTML, CSS, and JS

Web Application

VT ITS (Summer 2017), VT VPN required <http://shelving.learning.vtlibraries.net/Dev/Stats>

- Created a web app for the Shelving Department at Newman Library to assist their reshelving process
- Exercised full-stack capabilities by managing front-end content, back-end databases, and hosting
- Utilized Git, HTML, CSS, JavaScript, PHP, and SQL

Personal Website

Personal Project (Summer 2017), <https://mb48962.github.io/sites/galaxy>

- Designed a responsive personal website to showcase art and web effects
- Accomplished lightweight parallaxing and interactive 3D particles
- Acquired advanced skills with HTML, CSS, and JS

Relevant Courses

CS 4984 Social Computing

CS 3714 Mobile Software Development

CS 3704 Intermediate Software Design and Engineering

CS 3114 Data Structures and Algorithms

Experience

Web Developer

Virginia Tech Library Information Technology Services Department (Spring 2017)

- Updating web services and developing web applications for students and faculty
- Gaining experience working for a client, managing projects on Git, and web hosting
- Collaborating in a team to manage the library website and was the sole full-stack developer for a web application

Software Engineering and Social Computing

Computer Science Capstone Team Projects (Fall 2017)

- Working in a software engineering team to create an Alexa skill for restaurant hosting
- Acquiring skills using NodeJS and AWS Lambda to implement the alexa-sdk
- Working in a team to create a Twitter plugin that displays fake account activity in a post
- Acquiring experience working with large data sets gathered by the Twitter API

References

Aaron Hunnewell

UNIX Systems Administrator, Virginia Tech
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