
Alyssa House

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Education

B.S. Computer Science, Minor in Technology and Information Management – University of California, Santa Cruz

June 2021

Current GPA: 3.76

Related Coursework

Algorithms and Abstract Data Types

Discrete Mathematics

Intro. to Data Structures

Calculus I, II, and III

Computer Systems and Assembly Language

Business and Information Management

Skills

Java

C#

SQL

MySQL

RESTful Architecture

JSON

Unix

Git Version Control

MS Visual Studio

MS SSMS

Work Experience

Software Engineer Intern

June 2018 – Sept 2018

Melissa Data | Rancho Santa Margarita, CA

- Wrote two Java applications for in-house use that allowed non-technical employees to:
 - Compile and load modified Java class files during runtime through a simple GUI
 - Execute various command line instructions through a simple GUI
- Constructed three databases holding millions of address records for Slovenia, Russia, and Ukraine
 - Used SQL and MS SSMS
 - Wrote scripts in C# to parse address information and update SQL tables
- Increased sales by creating over 25 standardized demo applications in Java, C#, and HTML/JavaScript, allowing potential customers to demo all web services offered
 - Demos displayed on company's wiki and used by thousands of potential buyers
 - Send RESTful get and post calls and parse JSON-formatted responses
 - Took initiative and petitioned to be a part of this team; contributed over 90% of the applications
- Ensured quality of web services by designing load tests on Linux and Windows Docker Containers and Web APIs with JMeter

Community Educator and Activities Creator

Nov 2017 – Present

Communities Advocating for Resident Empowerment | Santa Cruz, CA

- Transformed over five seniors' abilities with computers, tablets, and phones
 - Went from: Unable to turn on devices or access Internet
 - To: Sending emails without help, verifying legitimacy of apps and websites
- Saved residents hundreds of dollars per month by assisting more than two dozen in applying to LIHEAP
- Contributed to a tighter-knit community by hosting socials, book clubs, cooking classes

Data Entry Technician

Sept 2017 – Oct 2017

Mystery Writers of America | Remote Contract Work

- Completed project weeks in advance, saving the company time; rewarded with bonus

Sandwich Artist

Feb 2017 – Sept 2017

Subway | Dana Point, CA

- Trained over five employees during my employment

Professional Involvement

Active Member of the Following Professional Organizations:

- **ISMA** - Information Systems Management Association
 - **SWE** - Society of Women Engineers
 - **ACM** – Association for Computing Machinery
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