

Nathaniel Weber

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Education

Valparaiso University – Valparaiso, IN

B.S. in Computer Science, Engineering Minor; GPA: 3.715/4.0

2020

Presidential Academic Scholarship

Dean's List (08/2016 – Present)

Projects

Student Senate

Current

A semester long group project working with four other undergraduate students to plan, design, and build a website to digitalize the financial paperwork for our student senate. Including features to fill out forms, view previously submitted forms, and approve forms from individual student organizations. Implementation includes the use of Google APIs for login and the following languages: HTML, CSS, JavaScript, PHP, and SQLite.

Paint Project

09/2017

Over five weeks this class project required implementation of an image editing application with a feature set derived from Microsoft Paint. Implementation included using Java and JavaFX and use of an iterative/spiral software development model and heavy use of a variety of APIs in Java, with a focus on code quality and best object-oriented design practices.

Renaissance French Cookbook

08/2016

As a first-year student I worked with other students and university professors for a semester to digitize a Renaissance French cookbook. The end goal was to display the transcribed cookbook to a webpage. Regular meetings were held to check progress and manage deadlines.

Work History

Resident Assistant - Valparaiso University – Valparaiso, IN

08/2017 - Present

Learned how to communicate effectively through managing a university residence hall floor of ethnically diverse undergraduate students. Supported a variety of university offices and groups by maintaining all bulletin boards and fliers with accurate, up-to-date, and useful information. Supported fellow students with counseling and mentoring on various personal and academic issues.

Academic Tutor - Valparaiso University – Valparaiso, IN

08/2017 - Present

Held accountable for holding weekly computer science tutoring sessions. Also, helping students understand and comprehend material to the best of their ability as well as offering support to students in their academic studies especially during exam periods.

Assistant Pool Manager - Cary Park District – Cary, IL

05/2015 - 08/2016

Accountable for watching over the pool to ensure overall safety of patrons. Worked with a team of managers to run the pool during hours and learned to communicate effectively. Handled payroll procedures and completed paperwork.

Technical Skills

Ruby

Ruby on Rails

Python

Assembly (x86)

UML

Java (including JavaFX)

Relational Databases

C++

HTML

JavaScript

C

Operating Systems