

# Nathaniel Weber

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## Education

**Valparaiso University** – Valparaiso, IN

**B.S. in Computer Science, Engineering Minor**; GPA: 3.72/4.0

2020

Presidential Academic Scholarship

Dean's List (08/2016 – Present)

## Projects

### **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 OO 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. More information ([scholar.valpo.edu/cus/654/](http://scholar.valpo.edu/cus/654/))

### **Time Card Application**

07/2015

Individual project to help aid in completion of time cards for my assistant pool manager position. Using Android Studio, I designed a mobile application, written in Java, with inputs of time in AM or PM that outputs the total time difference.

## 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

Accountable for holding weekly tutoring sessions for tutees, helping students understand and comprehend material to the best of their ability, 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

Currently building knowledge in Ruby, Ruby on Rails, UML

Java (including JavaFX)

Python

Assembly (x86)

C