

Liam Niehus-Staab

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Education

Grinnell College

Grinnell, IA

BACHELOR OF ARTS

Expected Graduation 2020

- GPA: 3.66
- Computer Science Major
- Deans list Spring and Fall 2016

Experience

Village Cook

Bemidji, MN

CONCORDIA LANGUAGE VILLAGES, EL LAGO DEL BOSQUE

July-August 2016

- Worked under the head chef fixing daily meals for campers and washing dishes.

Camp Counselor

Bemidji, MN

CONCORDIA LANGUAGE VILLAGES, EL LAGO DEL BOSQUE

July-August 2017

- Worked under Diane Tess as a Spanish immersion camp counselor, teaching children aged 6-18 Spanish conversational skills, and cultural knowledge.

Research Assistant

Grinnell, IA

UNDERGRADUATE RESEARCH PROJECT, IMAGE SYNTHESIS FOR MACHINE LEARNING

June-August 2018

- Developed a C/C++ program to generate synthetic training data for a text recognizing CNN.
- Training with data generator improved model accuracy by 10% over results when trained on industry standard data sets.
- See the research code at <https://github.com/niehusst/MapTextSynthesizer>

Co-Founder and Full Stack Developer

Grinnell, IA

GRAMMIEGRAM LLC

April-August 2018

- Developed the backend for user preferences using Python and the Django framework.
- Constructed and maintained unit testing for the GrammieGram web app.
- Designed frontend UI for the contact management page using JavaScript and Bootstrap.
- See the website at <https://grammiegram.com>

Head of Android Development

Grinnell, IA

GRAMMIEGRAM LLC

August 2018 - Present

- Lead a team of three in creating the GrammieGram Android mobile app and integrating it with the rest of our platform.
- Developed in an agile environment using a test driven approach.

AppDev Junior Engineer

Grinnell, IA

APPDEV GRINNELL

January 2018 - Present

- Developed and wrote tests in Java for the Grinnell Directory Android application
- Gained experience writing tests using JUnit, Mockito and Espresso

Skills

Programming JAVA, C/C++, Python, JavaScript

Web Django, HTML5, CSS

Spoken Languages English, Spanish

Interests Activities

Team Captain

GRINNELLEPHANTS ULTIMATE FRISBEE

Grinnell, IA

August 2018 - Present

- Gained experience as a teacher and leader.
- I work with others to regularly plan and execute practices 3 times a week.

Android App Development

- Making useful apps that help me with daily problems or tasks

Robot Programmer

FIRST ROBOTICS COMPETITION, TEAM 6002

Kalamazoo, MI

Oct. 2015 - May 2016

- Wrote Java code for the robot's basic abilities and autonomous mode.

Volunteer

POWESHIEK ANIMAL LEAGUE SHELTER

Grinnell, IA

Sep. 2016 - Current

- Cleaned, cared for, and socialized cats and their environment.

Awards

Compliance Accomplice

HACKUIOWA

Oct 2018

- Developed email middleware using Python to detect and prevent SEC non-compliance using Natural Language Processing.
- Won "Best Commercial Potential" award from John Pappajohn Entrepreneurial Center and "Best use of Google Cloud" award from Major League Hacking.
- See project at <https://github.com/niehusst/ComplianceAccomplice>