

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

Co-Founder and Head of Android Development

Grinnell, IA

GRAMMIEGRAM LLC

August 2018 - Present

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

Software Engineer

Grinnell, IA

APPDEV GRINNELL

January 2018 - Present

- Developed the Grinnell Directory Android application
- Gained experience writing tests using JUnit and Espresso

Research Assistant

Grinnell, IA

UNDERGRADUATE RESEARCH PROJECT, IMAGE SYNTHESIS FOR MACHINE LEARNING

June-August 2018

- Developed a program to generate synthetic training data for a text recognizing CNN.
- Training the neural network on data from our synthetic data generator improved performance over training on industry standard scene text 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 majority of the web app
- Designed frontend UI for the contact management page using JavaScript and Bootstrap
- Gained experience working remotely with a team using Git version control
- See the website at <https://grammiegram.com>

Skills

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

Web Django, HTML5, CSS

Spoken Languages English, Spanish

Interests and Activities

Team Captain

Grinnell, IA

GRINNELLEPHANTS ULTIMATE FRISBEE

August 2018 - Present

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