

# Gabriel C. Kay

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## EDUCATION

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### Vanderbilt University

College of Arts and Sciences

Nashville, TN  
Expected May 2021

- Bachelors of Science Degree in Computer Science & Economics
- Cumulative GPA: 3.9/4.0
- Major GPA: 3.9/4.0
- Dean's list 2017-2020
- ACT: 35

**Relevant Coursework:** Data Structures, Discrete Structures, Big Data, Algorithms, Software Design, Computer Organization, Programming Languages, Web-Based System Architecture, Operating Systems, Digital Logic

### International Baccalaureate Diploma Recipient

May 2017

## PROJECTS

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### Stock-Lens

An iOS app that scans company logos to display their stock information. Utilizes Google Cloud Vision and AlphaVantage APIs

### Woj Bot

An AI twitter bot trained on tweets from NBA analyst Adrian Wojnarowski to automatically generate messages in the style of "Woj"

### Daily

A web app built with Ruby on Rails utilizing React components to create an interactive tracker for long-term goals

## WORK EXPERIENCE

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### Vanderbilt Computer Science Department

Teaching Assistant

Nashville, TN  
August 2019 –

- Grade tests and assignments for Vanderbilt's CS 2112 class on Discrete Structures
- Hold weekly office hours to help students learn course content

### Viget Labs

Software Development Intern

Durham, NC  
June 2019 – Aug 2019

- Collaborated with an interdisciplinary team of interns to build and launch a fully functional web app for meal sharing
- Built the site backend with Ruby on Rails and deployed the site to a production environment on DigitalOcean and S3 servers

### Concurrent Technology Inc.

Software Development Intern

Atlanta, GA  
May 2018 – Aug 2018

- Implemented distributed tracing into Concurrent's custom file-system, tracking the program's speed and logging important debugging information to a remote server
- Contributed features to opensource Zipkin and Opentracing repositories that allowed me to integrate them into the product
- Wrote a new debug feature that tracks files with the most failed accesses, allowing users to identify their most problematic files

## ACTIVITIES

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### Vanderbilt Honor Council

Nashville, TN

- Advocate for accused students during investigation by outlining procedures, providing university resources, and delivering counsel
- Adjudicate cases to determine outcomes for students accused of violating the Honor Code

### Code Ignite

Nashville, TN

- Teach programming lessons once a week at a local middle school
- Work one on one with students to improve their coding skills

### Vanderbilt Investment Club

Nashville, TN

- Weigh in on presentations regarding relevant stocks
- Vote on how the school manages a portion of its endowment

## SKILLS

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**Technical Skills:** C++, Ruby, Ruby on Rails, Swift, Python, SQL, Git, Github, Linux, HTML, CSS, MS Word, MS Excel