

Gabriel J. Grais

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Education

University of Illinois Urbana-Champaign

December 2023

Bachelor of Science in Computer Science

GPA: 3.71

Relevant Coursework:

Software Design, Database Systems, Data Structures, Algorithms and Models of Computation

Technical Skills

Languages: C, C++, Java, Javascript, Python, SQL, VBScript

Tools: Autodesk Inventor, Android Studio, Google Firebase, Flask, Fusion 360, Git, Linux, MySQL, SQLite

Experience

State Farm Technology Intern | Javascript, Python

May 2022 - August 2022

Champaign, Illinois

- Developed a chatbot interface using Flask to improve marketing outcomes for State Farm Agents
- Collaborated with teammates in an agile environment
- Presented our project to executives in the Summer Showcase event

Studio Technologies Inc. Intern | C, VBScript, Python

June 2017 - January 2022

Skokie, Illinois

- Created a Python script to automate the programming and licensing of Dante Broadway chips
- Contributed to the debugging process for a program from an international company
- Developed a user interface for calibrating and operating testing hardware
- Upgraded VBScript test procedures to automate repetitive tasks

Intro to Computer Science Course Assistant | Java

August 2021 - May 2022

University of Illinois Urbana-Champaign

- Assisted students in learning Java through tutoring hours sessions
- Answered student questions in the class forum

Personal Projects

Vote2Grow | Firebase, Python, Javascript

August 2018 - Present

www.Vote2Grow.com

- Created a Flask website, allowing users to water a houseplant democratically
- Implemented live moisture, humidity, temperature, and vote counts with Google Firebase
- Users kept a Fittonia 'Nerve Plant' alive for over four years without intervention

Project:Code Data Visualization | Python, Javascript

September 2020 - September 2021

University of Illinois Urbana-Champaign

- Collaborated on Illinois COVID-19 Visualization website using Flask
- Mapped Illinois county borders to create an interactive location selector

Interests

3D Design/Printing, Fountain Pen Restoration, Gardening, Home Automation, Photography, Tennis