

Gabriel J. Grais

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Education

University of Illinois Urbana-Champaign

December 2023

Bachelor of Science in Computer Science

Dean's List 2023, GPA: 3.75

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

Technical Skills

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

Tools: AWS Certified Cloud Practitioner, Android Studio, Firebase, Flask, Git, Google Cloud Platform, Linux, PostgreSQL

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 and followed Agile Methodology for programming
- Presented our project to executives in the Summer Showcase event

Studio Technologies Inc. Intern | C, VBScript, Python

June 2017 - August 2023

Skokie, Illinois

- Created a Python application to program and license products containing Dante Broadway chips
- Developed VBScript applications for calibrating and operating testing hardware
- Upgraded test procedures to automate repetitive tasks using VBScript

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
- Created guided solution videos for course material
- Answered students' questions in the course forum

Personal Projects

Vote2Grow | Python, Javascript, SQL

August 2018 - Present

www.Vote2Grow.com

- Created a Flask web-app hosted on AWS, allowing users to water a houseplant democratically
- Stored and retrieved live moisture, humidity, temperature, and vote counts with PostgreSQL
- Users kept a Fittonia 'Nerve Plant' alive for over four years without intervention

Project:Code Project Manager, Data Visualization | Python, Javascript

September 2020 - Present

University of Illinois Urbana-Champaign

- Taught web development as the Project Manager for the Data Visualization team
- 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