

ALEXANDER GOEBEL

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EDUCATION

M.S., Computer Science

Georgia Institute of Technology

Commencing January 2023

Atlanta, GA

B.S., Computer Science - GPA 3.90/4.00

Georgia Institute of Technology

Anticipated December 2022

Atlanta, GA

Graduation Honors: Highest Honors (anticipated), Dean's List

International Baccalaureate - GPA 4.80/4.00

Decatur High School

May 2019

Decatur, GA

Graduation Honors: Valedictorian, AP Scholar with Distinction

WORK EXPERIENCE

Software Engineer Intern - Schlumberger

HCS, Sugar Land location.

Summer 2022

- Developed user interface for data visualization in Power BI.
- Developed Google Cloud Services integration and data synchronization.
- Collaborated across multiple development groups.
- Completed deliverables ahead of schedule, while incorporating additional change requests.

Embedded Software Engineer Intern - Schlumberger

KTC, Katy location.

Summer 2021

- Developed C++ MFC user interface to automate testing and calibration of boards.
- Tested and debugged issues with a cross-board data and health analysis user interface.
- Improved data collection on a down-hole drilling sensor.
- Automated and improved device calibration/testing process, reducing time required by several days.

TEACHING

Undergraduate Teacher's Assistant

College of Computer Science.

Fall 2020 - present

- Senior TA, led Review Team (Spring 2022).
- Reviewed and revised student materials, exams, and project assignments for the course.
- Demoed and assisted students with milestone-based projects.
- Graded tests and projects.

LEADERSHIP

Social Committee Chair

Fall 2022 - present

Yellow Jacket Fencing Club

- Organize club socials with supporting committee members.
- Coordinate division of tasks and labor to prepare club socials.
- Budget events and provide requests to Treasurer.
- Provide constitutional advice to executive board and treasury advice to new Treasurer.

Club Treasurer

Fall 2021 - Spring 2022

Yellow Jacket Fencing Club

- Budgeted and directed payment for club travel and events.
- Created and defended bills for student government to secure club funding.
- Coordinated with school- and student-run financial offices to obtain reimbursements for club.
- Assisted in event and social planning for club.

SKILLS

Programming: C++, C, Python, Java, Processing, Assembly (LC).

Tools: Power BI, Google BigQuery, Gimp 2.10, Unity (intermediate)

Concepts: Computer architectures, Object-oriented programming and design, computer organization and programming, linear algebra, multivariable calculus.

Communication: Presentations, Email, Video Conferencing Software.

Relevant Courses: Adv. Computer Architectures, Operating Systems, Objects & Design, Algorithm Design, Computer Animation, Computer Graphics.