Caleb Hess

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Education

Georgia Institute of Technology — *Atlanta, GA*
B.S. in Computer Science — *Cum Laude, May 2019*

Experience

AT&T — *Washington, D.C.*
Software Engineer Intern — *June 2018 – August 2018*
- Designed, implemented, and deployed an improved, extensible backend model for an internal project tracker
- Developed RESTful APIs to allow for seamless data transfer between applications
- Documented projects and wrote unit tests, adhering to Test-Driven Development and Domain-Driven Design

Georgia Tech — *Atlanta, GA*
Security Engineer Intern — *May 2017 – August 2017*
- Collaborated with engineers auditing applications to identify and mitigate security risks
- Developed automation for response and remediation of malicious activity
- Monitored and triaged incoming security incidents and alerts through FireEye
- Reviewed vulnerability reports, and performed network forensics and packet analysis for related investigations

Georgia Tech — *Atlanta, GA*
Teaching Assistant: Introduction to Object Oriented Programming — *January 2017 – May 2017*
- Presented weekly recitations to some 50 students, echoing key concepts from lecture and answering questions
- Facilitated deep understanding of OOP through Java through regular office hours and assisting with assignments
- Regularly coordinated and reevaluated with professors and TA team, analyzing our feedback, efficiency, and goals

Projects & Leadership

libclub
Open Source Developer — *March 2019 – Present*
- Built upon lightweight peer-to-peer framework to provide simple API and matchmaking for game development

Bug Bounty Scanner
Full Stack Developer — *September 2018 – Present*
- Building modular, automatically triggered web application security evaluator to search and submit bug bounties
- Creating assessment modules for common attack vectors: SQLi, XSS, CSRF, file upload, unpatched software, etc.

hearatale.com
Backend Developer — *August 2018 – May 2019*
- Overhauled existing PHP web application backend to improve performance and implemented search functionality
- Developed scalable backend for an Android application designed to teach English to pre-literate children

Georgia Tech Housing — *Atlanta, GA*
Resident Assistant — *August 2018 – May 2019*
- Used strong communicative and interpersonal skills to keep my residents safe and involved on campus

GreyHat Club — *Atlanta, GA*
Communications Chair — *April 2017 – April 2018*
- Oversaw publicity and communications for Georgia Tech's cybersecurity club
- Placed 10th in North America for the CSAW CTF 2017 Preliminary Round

Skills

Languages: Java, Python, C, C++, PHP, MySQL, JavaScript, HTML, CSS, LC-3/LC-2200 Assembly

Frameworks/Other: Spring, Hibernate, React, Docker, Burpsuite, Splunk, JUnits, Maven, Android, Linux, Unix, Git, TCP/IP