

BILL MERICKEL

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing

Atlanta, Georgia

Candidate for Bachelor of Science in Computer Science

May 2024

GPA: 3.97/4.00

- Concentrations: Intelligence and Systems Architecture
- Distinctions: Faculty Honors, Dean's List
- Relevant Coursework: Operating System Design, Machine Learning, Algorithm Design and Analysis, Processor Design

GEORGIA TECH LORRAINE

Metz, France

- Studied while traveling to 11 European countries over the course of four months

January 2022 – May 2022

EXPERIENCE

NCR CORPORATION

Atlanta, Georgia

Software Engineering Intern

May 2022 – August 2022

- Created 34 Python scripts to automate the process of removing terminated employees as users from the enterprise tools set
- Improved user removal processing time by 97.25% by eliminating 48 hours of manual labor through pipeline automation
- Nominated for the NCR Software & Technology R&D Excellence Award due to project's processing efficiency

BUSINESS PARTNER SOLUTIONS, INC.

Riverside, California

Software Engineering/Sales and Marketing Intern

June 2021 – August 2021

- Composed a 15-page documentation detailing security benefits of application containers compared to virtual machines
- Outlined a \$600+ per year savings plan through NeuVector and Kubernetes container security platform adaptation
- Integrated 20 containerization and CI/CD technical documents to illustrate an improved software development life cycle

PROJECTS

XV6 OPERATING SYSTEM KERNEL DEVELOPMENT

Atlanta, Georgia

Individual Project

September 2022 – November 2022

- Optimized virtual memory system by implementing copy-on-write forking and lazy zero-page allocation within the kernel
- Constructed a process scheduling API with 4 different algorithms and built a kernel-space threading library
- Enhanced the isolation and security of user data by creating a user login and file permission system inside the kernel

APPWIZ

Riverside, California

Startup Founder

November 2018 – March 2020

- Conducted 70+ interviews with school faculty members to identify issues with existing emergency communication methods
- Created and beta tested "Immedialert" mobile beta app for school staff members to streamline emergency communication
- Awarded "Most Investable Startup" by panel of venture capitalists at Quarter Zero's Catapult Incubator Demo Day

MERIEDUCATION, INC.

Riverside, California

Mobile App Developer: MeriEducation

January 2019 – October 2019

- Developed iOS and Android mobile communications app for MeriEducation, an Inc. 5000 (2017) tutoring company
- Integrated 12 company resources, such as location directions, appointment links, and real-time push notifications

LEADERSHIP

ALPHA KAPPA PSI PROFESSIONAL CO-ED BUSINESS FRATERNITY

Atlanta, Georgia

Vice President of Finance

May 2022 – May 2023

- Managed, budgeted, and processed over \$60K worth of financial assets and a \$28K operating budget
- Led directors to research effective investing strategies and contribute to an equity portfolio worth over \$15K

SKI AND SNOWBOARD CLUB AT GEORGIA TECH

Atlanta, Georgia

Social Outreach Chair

January 2021 – May 2021

- Managed the social media accounts of the organization and participated in trip planning meetings with executive members
- Facilitated an interest fundraiser to spread awareness of the club while accumulating over \$300 in profit

SKILLS & INTERESTS

Languages: Java, Python, Dart, JavaScript, C, Swift, Apache Groovy

Frameworks: Firebase, Flutter, React Native, JavaFX, Git, Pandas, NumPy, Matplotlib, Scipy

Interests: Technology, Investing, Cinema, Cryptocurrency, Skiing, Hiking, Scuba Diving