Liam J. Ford

US Citizen | liam7ford@gmail.com | (415)-306-6674 | LinkedIn: liam-ford-81892128a | GitHub: liamford1

EDUCATION

University of Colorado Boulder   **Boulder, Colorado**

B.A. in Computer Science   *Expected Graduation, May 2027*

Minor in Business Administration

- o **Related Coursework:** Computer Science 1, Data Structures, Computer Systems, Human-Computer Interaction, Discrete Math, Algorithms, Software Development, Linear Algebra, Marketing and Management

SKILLS

Programming: C, C++, Python, JavaScript, HTML, CSS, Swift, React.js

Other: Git, UI/UX Design, Software Development, Word, Excel, PowerPoint, Communication, Leadership

EXPERIENCE

Divis Consulting Inc.   **San Francisco, California**

Field Engineer   *May 2020 – Aug 2024*

- Collected data by facilitating soil and foundation testing to develop geotechnical engineering reports
- Conducted floor-level surveys to detect earth settlements in residential structures and logged data in Excel to provide accurate assessments of structural stability
- Facilitated soil sampling to ensure accurate data for foundation integrity and seismic resilience in commercial and residential structures
- Observed and inspected the installation of foundation elements including drilled piers and soldier piles to ensure compliance with engineering specifications and structural integrity
- Collaborated with civil and geotechnical engineers, geologists, and project managers to ensure successful project completion and effective problem-solving

Chase Ace Hardware   **San Rafael, California**

Sales Representative   *Dec 2021 – May 2023*

- Leveraged customer service and communication skills to ensure a positive and helpful experience for customers
- Trained new employees in POS systems, inventory software, and customer service skills, contributing to increased team efficiency
- Collaborated with co-workers and management to creatively assist customers with home improvement projects, achieving a high customer satisfaction rate
- Facilitated product shipments and organized new products regularly to maintain optimal store layout and inventory accessibility

Projects

Encryption Software - C++

- Developed a versatile encryption and decryption program with C++ algorithms that implement multiple classical ciphers
- Applied advanced C++ features, including standard library components to enhance performance and readability

Portfolio Website - React.js, HTML, CSS

- Developed a fully responsive portfolio website using React.js, including features like smooth scrolling, dynamic project sections, and a downloadable resume button, resulting in improved personal branding

ACTIVITIES AND LEADERSHIP

Sigma Nu Fraternity - Gamma Kappa Chapter   **Boulder, Colorado**

Member   *Dec 2023 – Current*

- Contribute to multiple internal fraternity committees to facilitate large social and philanthropic events that support over 1000 members and guests
- Participate in community service and leadership activities such as an academic mentor program to guide and tutor younger fraternity members resulting in an overall GPA increase within the fraternity