

# Liam J. Ford

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## EDUCATION

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### 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

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**Programming:** C, C++, Python, JavaScript, HTML, CSS, Swift

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

## EXPERIENCE

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### 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

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### Encryption Software - C++

- Developed a versatile encryption and decryption program with C++ implementing multiple classical ciphers
- Applied advanced C++ features, including standard library components to enhance performance and readability
- Demonstrated proficiency in algorithm development by efficiently encoding and decoding text using classical cryptographic techniques

## ACTIVITIES AND LEADERSHIP

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### 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