Leaf Summer Experience:

Resume Builder + Summer Mentorship Experience

Seeking a unique chance to boost your LinkedIn profile and become a standout candidate for top-tier tech and finance companies? Join Leaf's transformative experience, where you'll collaborate on a meaningful project outside of school. Embark on this empowering journey alongside fellow students, as we craft a summer experience open to all young adults above 18. Elevate your potential with Leaf, empowering young women and promoting financial literacy through exciting app development projects.

Experience Description:

Computer Science Sector
Within our computer science experience, you will play a vital role in creating an exceptional application that empowers women in the realm of finance. Work closely with our talented team to develop a user-friendly platform that aims to revolutionize the way women engage with finance. Your contributions will make a lasting impact as we strive to upload the app to both the Android and Apple stores, opening new doors for financial independence and success.

Business Sector
Within our business/finance experience, you will delve into the fascinating world of investment strategies and finance management resources. Conduct in-depth research, analyze market trends, and contribute to the development of valuable resources that educate and inspire women in finance. Your work may culminate in publishing a research paper, lesson plan, or even a short book, disseminating knowledge and promoting financial empowerment among women.

Key Details

- 8 week virtual program
- Program Dates: June 26th - August 18th, 2023
- Application Deadline: June 21st, 2023
- Not exclusive to women! All are encouraged to apply who support our mission
- No experience necessary to apply
- Must be above age of 18
- Position space is limited and acceptances are given out on a rolling basis
- Leaf Website: leaf.digital.uic.edu

Apply here!
https://uic.ca1.qualtrics.com/jfe/form/SV_0HDbkMYRu9FbCU6

Program Highlights

1. Workshop Series
Engage in a series of interactive workshops designed to introduce fundamental concepts and tools in computer science and business. Topics may include:

- Introduction to programming languages
- Web development basics
- Data analysis and visualization
- Financial literacy and investment strategies
- Entrepreneurship and innovation

2. Working on an Impactful Project
Collaborate with fellow participants on a meaningful app development or business project. The project will focus on Leaf's goal of encouraging the development of greater financial literacy in young women. Your project scope could include:

- Designing and prototyping a mobile app
- Improving frontend UX development
- Deploying backend services
- Establishing and developing cloud computing
- Conducting market research and developing a business plan
- Analyzing financial data and creating visualizations to support investment decisions

3. Mentorship by Peers
Experience the power of mentorship from fellow college students who understand the unique challenges and aspirations of their peers. Our program fosters a supportive environment where college mentors guide and inspire fellow college students throughout their summer experience. Benefit from the knowledge, insights, and relatability of mentors who have walked a similar path, creating a valuable synergy that enhances your personal and professional growth.

4. Guest Speakers
Benefit from guest speaker sessions where industry professionals will share their experiences, challenges, and success stories. Participants will have the opportunity to ask questions and gain insights into various career paths and emerging trends.

<u>5. Networking Opportunities</u>
Connect with like-minded peers and expand your professional network through group activities, discussions, and networking sessions. Build lasting connections with individuals who share similar interests and aspirations.

Program Calendar:

A more specific program calendar will be given out before the start of the summer experience.

Week Number	CS Topics Timeline	Finance Topics Timeline
Week 1 (Jun 26 - Jun 30)	Program Orientation / Project Introduction	Program Orientation / Project Introduction
Week 2 (Jul 03 - Jul 07)	Ideation and Planning	Research and Data Collection
Week 3 (Jul 10 - Jul 14)	Design and Prototyping	Analysis and Strategy Development
Week 4 (Jul 17 - Jul 21)	Development and Implementation	Resource Creation Pt.1
Week 5 (Jul 24 - Jul 28)	Testing and Quality Assurance	Resource Creation Pt.2
Week 6 (Jul 31 - Aug 04)	Finalize Development	Testing and Feedback
Week 7 (Aug 07 - Aug 11)	Deployment and Showcase Presentation	Publication and Finalization
Week 8 (Aug 14 - Aug 18)	Showcase and Reflection	Showcase and Reflection

Computer Science Program Syllabus:

Week 1: Introduction to App Development

- Overview of app development lifecycle and methodologies
- Introduction to mobile app platforms (Android and iOS)
- Understanding the role of software developers in app development projects

Week 2-3: Front-End Development

- HTML, CSS, and JavaScript fundamentals
- Introduction to front-end frameworks (e.g., React Native, Flutter)

- User interface (UI) design principles and best practices
- Building responsive and interactive app interfaces

Week 4: Back-End Development

- Introduction to server-side programming languages (e.g., Python, Node.js)
- Working with RESTful APIs and handling data exchange
- Database management and integration (e.g., SQL, NoSQL)
- Security considerations in app development

Week 5: Mobile App Development Frameworks

- Exploring cross-platform frameworks (e.g., React Native, Flutter)
- Setting up development environments and tools
- Building app components and navigation
- Incorporating platform-specific features and APIs

Week 6: Data Management and APIs

- Data modeling and management with databases (e.g., SQLite, Firebase)
- Implementing CRUD operations for data persistence
- Integrating external APIs for data retrieval and synchronization
- Optimizing data storage and handling performance considerations

Week 7: Testing and Debugging

- Importance of testing in app development
- Writing unit tests and test-driven development (TDD)
- Strategies for manual and automated testing
- Debugging techniques and tools

Week 8: App Deployment and Publication

- App store submission guidelines and best practices
- App distribution and version control
- Beta testing and gathering user feedback
- Finalizing app features and preparing for launch

Business / Finance Program Syllabus

Week 1: Introduction to Finance

- Overview of finance and its importance in business
- Key financial concepts and terminology
- Introduction to financial statements and analysis

Week 2-3: Investment Strategies and Analysis

- Understanding different investment vehicles (stocks, bonds, mutual funds)
- Investment research methodologies
- Fundamental and technical analysis techniques
- Risk and return evaluation

Week 4: Financial Modeling and Forecasting

- Introduction to financial modeling concepts and techniques
- Forecasting methods and assumptions
- Building financial models using spreadsheet software (e.g., Excel)
- Sensitivity analysis and scenario planning

Week 5: Budgeting and Financial Planning

- Budgeting process and components
- Creating departmental or project budgets
- Variance analysis and performance evaluation
- Capital budgeting and investment decisions

Week 6: Financial Reporting and Analysis

- Interpretation of financial statements (balance sheet, income statement, cash flow statement)
- Ratio analysis and financial performance indicators
- Comparative analysis and benchmarking
- Reporting financial insights and recommendations

Week 7: Research and Market Analysis

- Conducting market research for financial decision-making
- Gathering industry data and trends

- Analyzing market conditions and competition
- Identifying opportunities and potential risks

Week 8: Presentation and Publication

- Presenting research findings and recommendations
- Creating reports, white papers, or research summaries
- Developing educational resources on finance management
- Finalizing projects and reflecting on the internship experience

Join us this summer!

The Leaf Summer Experience offers a platform for you to showcase your skills, collaborate with industry professionals, and pave the way for a brighter future. While this is an unpaid experience, we assure you that the experience and skills you gain during your time with us are truly invaluable. By working alongside our dedicated team, you'll receive mentorship, hands-on training, and exposure to real-world projects that will enhance your resume and set you apart in your future endeavors.

Ready to take the leap? Apply now to be part of an internship experience that will leave a lasting impact on your personal and professional development.

Apply here!
https://uic.ca1.qualtrics.com/jfe/form/SV_0HDbkMYRu9FbCU6