

Timothy Lee

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Education:

University of Wisconsin - Madison

Madison, WI

B.S. Double Major: Computer Engineering & Computer Science

December 2018

- **GPA: 3.62/4.0**
- **Awards:** BANNER Full-Tuition Scholarship, College of Engineering Dean's List

Relevant Courses:

Human Computer Interaction, Databases, Operating Systems, Software Engineering, Computer Architecture, Digital System Design, Microprocessors, Data Structures, Java Programming

Work Experience:

BlackRock

San Francisco, CA

Software Engineering Intern, Investment Systems

June 2018- August 2018

- Implemented data caching using Apache Cassandra to improve the performance and scalability of a web app used for creating and tracking investment targets in the next-generation Aladdin platform
- Refactored data services in RESTful web server using Spring MVC to standardize and streamline implementation of future data sources
- Added additional unit tests using JUnit and Mockito to ensure correctness of my code and increase overall code coverage of application

Optum (UnitedHealth Group)

Eden Prairie, MN

Software Engineering Intern, Research & Development

June 2017- August 2017

- Coded the frontend of an iOS application in Swift aimed at assisting with Substance Use Disorder treatment
- Applied the Lean Startup methodology to establish a Business Model Canvas and create a Minimum Viable Product to pitch to potential customer groups for our Substance Use Disorder mobile application
- Modeled and tested Scikit-Learn machine learning algorithms in Python to use in future implementations of Healthcare Recommender Systems

Epic Systems

Verona, WI

Information Technology Intern

May 2016- September 2016

- Maintained company-wide computer inventory including configuring computers for a variety of implementation scenarios using Remote Installation Services (RIS) and Active Directory
- Installed, upgraded, and performed troubleshooting of Windows OS, desktop applications, and hardware

Projects:

Crypto Counter <https://github.com/trlee2/CryptoCounter>

- Coded the backend of a Django web app with PostgreSQL database to analyze social media trends of cryptocurrencies to examine how their impressions on social media correlated to their pricing trends

Technical Skills:

Languages: (Most to Least Proficient) Java, C, Python, HTML/CSS, SQL, Swift, and Verilog

Technologies: Django, Git, Bootstrap, Spring, Cassandra

Activities:

Institute of Electrical & Electronic Engineers (IEEE), Software Development Club, Cycling Club