

# KIMBERLY N. LE

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## EDUCATION

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**Brown University**, Providence, RI  
*A.B. Computer Science, GPA: 3.57/4.0*

Expected Graduation Dec 2019

**Computer science coursework completed:**

*Software Security, Computer Systems Security, Computer Systems, Object-Oriented Programming, Algorithms/Data Structures, AI, UI/UX, Discrete Structures/Probability, Multivariable Calculus, Linear Algebra*

## SKILLS

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**Languages** Python, Ruby, JavaScript, Java  
**Tools & Frameworks** Git, Rails, React, AdobeXD, XCode

## PROFESSIONAL EXPERIENCE

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**PillPack** (Ruby on Rails) Jun 2019 - Aug 2019  
*Software Development Engineering Intern (Fulfillment Team)* Boston, MA

- Implemented restriction to prevent pharmacy admins from authorizing their own postage label reprint in *Ruby on Rails*
- Improved business logic of reprint page by restructuring workflow and adding new automatic tab closing feature
- Reduced shipping quality related errors by approximately 65% by restricting postage label reprinting

**Jiobit** (React Redux) Jul 2018 - Aug 2018  
*Front-end Web Developer Intern* Chicago, IL

- Developed new pages of customer info, verification bypass modal, buttons, and links in internal portal in *React JS*
- Restructured *Redux* store and stabilized portal, which displays real time info of 3-4k Jiobit units (as of Aug 2018)
- Created mock API endpoints and responses for testing, created services, and increased efficiency of loading data

**NextEra Energy** (Swift 3.0) Jun 2017 - Aug 2017  
*iOS Mobile App Developer Intern* Juno Beach, FL

- Designed and developed an attendance-capturing iOS mobile application featuring badge scanning in *Swift 3.0*
- Implemented ZBar SDK for scanning and web service call, which collects employee info for CSV file email attachment
- Saved on average \$294, or 87.5%, per 200 attendees scanned by badge versus signing in on paper

**Brown University** Oct 2018 - May 2019  
*Teaching Assistant (CSCI1410: Artificial Intelligence, CSCI1660: Computer Systems Security)* Providence, RI

- Assisted Professors George Konidaris and Roberto Tamassia in instructing and administering the class
- Held weekly office hours and answered students' questions about assignments and course material
- Researched and outlined lecture for a novel topic on adversarial machine learning for CS1660 Computer Systems Security

## PROJECTS

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**Dropbox** Apr 2018  
*Computer Systems Security Project*

- Built dropbox-like application in *Go* where users can upload, download, modify, and delete files and manage directories
- Implemented authentication, access control, time-sensitive sessions, and file persistence between server crashes
- Protected server, client, and database from SQL injections, malicious user input, and denial of service attacks

**Pi-namite** Jul 2017  
*NextEra Energy's BluePen Hackathon Project*

- Designed tracking and notification system for office supplies across multiple storage rooms featuring a barcode scanner
- Wrote *Python* script to send data scanned from Raspberry Pi to Google's *Firebase*
- Contributed to collection of solutions to be consolidated to reduce wastage on supplies, funding, space, carbon footprint

## INTERESTS & ACTIVITIES

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**Foreign languages** Japanese (limited working proficiency), Vietnamese (conversational)  
**Interests** Ghanaian drumming and dancing ensemble, Javanese gamelan, classical oboist  
**Affiliations** Women in Computer Science, First-Gens at Brown, Vietnamese Students Association