

# Vincent Le

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**EDUCATION**      **Virginia Tech**, *BS in Computer Science* GPA: 3.77      May 2018  
Blacksburg, VA

**EXPERIENCE**      **Virginia Tech**, *Undergraduate Teaching Assistant*      Aug 2017 — Present  
Blacksburg, VA

- Held office hours for the Data Structures and Algorithms course (CS 3114).
- Topics include sorting, graphs, trees, hashing and algorithm analysis.

**Mixmax**, *Software Engineering Intern*      Aug 2016 — Aug 2017  
San Francisco, CA

- Implemented CRUD functions for supporting multiple Mixmax teams and organizations.
- Added Chrome extension logic to embed email draft metadata into Gmail HTML.
- Rewrote Backbone frontend view code into React reusable components.
- Added Chrome extension logic to embed Mixmax into Salesforce HTML for integrating with its metadata.
- Implemented a background sync of Salesforce contact and lead data for autofilling metadata in forms and templates.

**PROJECTS**      **Collaboard**, *Android, node.js, socket.io, MongoDB*  
<https://github.com/vinnyoodles/whiteboard>

- Published an Android app with realtime whiteboarding and voice communication features.
- Wrote node.js server with WebSocket communication protocol using socket.io and deployed onto Heroku.
- Persisted canvas data with base64 encoding in MongoDB.
- Implemented audio communication by streaming bytes through WebSockets.

**cartera**, *swift, xcode, UIKit, Parse*  
<https://github.com/makersofawesome/cartera.ios>

- Developed an iOS app that supports peer to peer bank withdrawals.
- Wrote the networking client for the Capital One API and the Parse backend using NSURLConnection.
- Implemented view logic following the MVC paradigm using UIKit and Mapkit.

**mosaic-layout**, *swift, xcode, UIKit*  
<https://github.com/vinnyoodles/mosaic-layout>  
iOS library implementation of a tile/mosaic based collection view, written with a protocol oriented design pattern.

**SKILLS**      **Programming Languages:**    Java, C, Javascript, Swift  
**Frameworks/Libraries:**        node.js, backbone.js, React, UIKit, MapKit, Android