

Vincent Le

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

EXPERIENCE **Virginia Tech**, *Undergraduate Research Assistant* Feb 2018 — Present
Blacksburg, VA

- Developed bioinformatics application for running and managing genome analysis.
- Implemented backend using flask and frontend with Bootstrap.
- Managed background jobs using celery and redis.
- Used Docker Compose to manage MongoDB, flask, redis and celery instances.

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

- Held office hours for the Data Structures and Algorithms course (CS 3114) for students to get help on projects and homeworks.
- Topics covered were sorting, searching, graphs, trees, hashing, recurrence relations 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 chat 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.

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.

Programming Languages: Java, C, Javascript, Python
Frameworks/Libraries: node.js, backbone.js, React, Socket.io, MongoDB, Android