Theodore Wilson

Software Engineer and Artist based in Carrboro, NC

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EDUCATION

The University of North Carolina at Chapel Hill | August 2013 — May 2017
Bachelor of Science in Computer Science, Minor in Mathematics
GPA: 3.4/4.0

Related Coursework: operating systems, databases, web programming, algorithms and analysis, combinatorics, probability, linear algebra, digital logic, data structures, mobile computing systems, quantum mechanics, differential equations, computer organization

EXPERIENCE

Roof | Co-founder, Software Engineer | Carrboro, NC; May 2015 — Present
Working on mobile and web applications for housemates and property managers which facilitate living expenses, routine chores and paying rent. Developed, designed, and deployed all versions of the current Android application. Built an API for property managers to create virtual properties and leases and process rent payments using Stripe. Developed an extensive server-side unit testing infrastructure using internal tools and Mocha JS. For more information, visit: roof.io

UNC | Teaching Assistant | Chapel Hill, NC; January 2017 — Present
Holds 5-10 office hours a week to assist students with programming assignments in MATLAB.

PROJECTS

WXYC 89.3 FM | Android Developer | Chapel Hill, NC; January — May 2015
Built an Android application for the UNC campus radio station that provides functionality to stream the radio station live and interact with what has recently been played.
Used album, artist, and song data from the radio station in conjunction with the Last FM API to display artwork based on recent activity.

Thesis | Backend Developer | Chapel Hill, NC; August — December 2016
Built a backend server using a MEAN stack and the Google Maps API for a web application that encourages face-to-face, intellectual conversation. Users can create profiles, post topics of discussion, and request to meet at searchable locations. Originally a class project that has been maintained in my free time.

SKILLS

Markup and Code: Java, Javascript/Node, Git/Github, HTML, CSS, Objective C
Software: Atom, Android Studio, XCode, MATLAB