Theodore R. Wilson

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EDUCATION

The University of North Carolina at Chapel Hill
Bachelor of Science in Computer Science, Minor in Mathematics

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, discrete mathematics, computer organization, calculus I-III

PROJECTS

WXYC 89.3 FM | Android developer
- Built an **Android application** for the UNC campus radio station. Provides functionality to stream the radio station live and see information regarding what has recently been played.
- Used the Last.fm API to retrieve album and artist art based on song/artist/ album queries.

Thesis | Backend developer (www.github.com/thesis-network)
- Collaborated with two friends to build a web app that promotes location-based face-to face conversation.
- Developed a backend API leveraging a **MEAN Stack.**

EXPERIENCE

The University of North Carolina at Chapel Hill (January 2016 – Present)
Undergraduate Learning Assistant for COMP 116, "Intro to Scientific Programming"
- Holds weekly office hours to help students with programming assignments in MATLAB.
- Assists in grading programming assignments, exams, and other course materials.

Roof – Carrboro, North Carolina | www.roof.io | (May 2015 – Present)
Co-founder, Lead Android Developer, MEAN Stack developer
- Working on several applications for housemates and property managers to manage living expenses, routine chores, and paying rent.
- Deployed all versions of Roof's tenant **Android** application.
- Built a **MEAN API Server** for Roof's property manager application to collect rent payments using Stripe and to manage virtual properties and leases.
- Wrote **unit tests** using Mocha, Chai, and Sinon.
- Participated in the Launch Business Accelerator program and the 1789 Incubator space, both located in Chapel Hill, NC.
- Roof is currently serving 1 property manager, processing rent payments in three homes, and maintaining 3,000+ active users.

SKILLS

- Experience shipping production-ready code, patching bugs, and working with **version control/Github.**
- Experience working in **teams,** working in **fast-paced environments,** and developing in **sprint cycles.**
- Mastery in **Android, MEAN, Javascript, HTML, CSS,** and **C**