

# Adil Virani

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## TECHNICAL SKILLS

(in order of proficiency)

**Languages:** Java, JavaScript, HTML/CSS, PHP, Python, Ruby

**Technologies:** Node.js, Ionic, AngularJS, jQuery, Maven, Git, Vim, MySQL, MongoDB, L<sup>A</sup>T<sub>E</sub>X

## EXPERIENCE

### Research Assistant (Computer Science)

October 2014 – Present

University of North Texas

- Developed Unmanned Aerial Vehicles (UAVs) that are capable of providing wireless communications to storm ravaged areas.
- Extended the Wi-Fi reach of the drones to 5 kilometers (3 miles) by designing and programming directional antennas that can rotate and adjust automatically

### Lead Developer

August 2012 – Present

broadlinkone

- Fixed front-end, and back-end for the company's website, along with other branches of broadlinkone's website such as cloudworx, and other cloud assisting websites.
- Skills used: HTML, CSS, PHP, Wordpress

## PROJECTS

### FreezeRay

November 2014

- Created an offline bitcoin wallet, that is able to sign transactions via QR Codes
- Written using Ionic, CHAIN API, and Node

### EnergyPal

October 2014

- Created a grand prize winning mobile app for the NTx Apps Challenge that displays real-time energy usage data to homeowners via modified wattmeters plugged into outlets
- Utilized AngularJS, Node, MongoDB, Java, Xbees, Gemalto Concept Board, and Express

### TripBlaze

August 2014

- Created a grand prize winning travel app at Sabre Dev Studio designed to enable users to seamlessly plan for longer vacation trips by helping them find cheap fares, explore locales, and customize itineraries.
- Reverse engineered the Tripomatic API to get data for points of interest
- Utilized AngularJS, Node, MongoDB, and Express

## EDUCATION

Undergraduate, Computer Science

Texas Academy of Math and Science at UNT, 2014 – Present (*expected 2016*)

## ACTIVITIES

- 2014 – Present – **Various hackathons**, including PennApps X, NTx Apps Challenge, HackGT, and Vegas Money 20/20
- 2014 – Present – **Member** of TAMS Computer Science Organization
- 2014 – Present – **Member** of TAMS Resolv Organization