

Jack Baumann

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EDUCATION

Class of 2019	University of Dallas , Irving, TX <i>Bachelor of Science in Computer Science</i>
Class of 2015	Clear Lake High School , Houston, TX <i>Graduated Magna Cum Laude on the Distinguished Program</i>

WORK EXPERIENCE

Summer 2015	Software Engineering Intern, AtLink Communications , Houston, TX <ul style="list-style-type: none">I collaborated with a team of two fellow interns to design and develop a database, a web application, and mobile applicationsThe At811 project allows users to view and filter the locations of utility lines using a Google maps interface and an augmented reality camera overlayThe project integrates with a mobile GPS device that is under development by AtLink
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PROJECTS

Links to these projects and others as well as further descriptions of each project can be found at: jackbaumann.us/projects.html

Texas Historical Markers Map, *Mobile Apps Class*, November 2017

I created an iOS app using Swift which used Google Maps to display pins at the locations of each Texas Historical Marker. The View Controller displayed detailed information about each Historical Marker and opened navigation to the marker's coordinates in Google Maps.

Github repository: <https://github.com/JackBmann/mobile-apps/tree/master/TexasHistoricalMarkersFinalProject>

Stock Market Projection Using Chaos Theory, *Computational Physics Class*, November 2016

I created a Python script that read historical data for stocks from .csv files and used the Hurst Exponent, Lyapunov Exponent, and a predictability value to project the patterns of the stock prices in the future. I used Matplotlib to plot the data and gave a presentation on my project using sample data from frequently traded stocks.

Github repository: <https://github.com/JackBmann/computational-physics/blob/master/FinalProject.py>

StockTalk, *HackRice 2016*, January 2016

A multi-player investment game in which the stock prices of companies are controlled by the positive and negative tweets each company receives. I worked on the front end of the webapp which used python to scrape and analyze tweets, javascript to control the game, and HTML and CSS for the web user interface. StockTalk won the PROS sponsor award for best finance-related game.

Github repository: <https://github.com/bdeloeste/hackrice-stockapp>

Project submission on Devpost: <https://devpost.com/software/hackrice-stockapp>

The Children's Aid Society Webapp, *Code for Good*, October 2015

Code for Good is a charitable hackathon where I worked with students, JPMorgan Chase employees, and The Children's Aid Society to design a webapp to help disadvantaged students to find resources and create tasks to further their education successfully. I built the front end of the project and used Node.js, Angular.js, HTML, CSS.

Github repository: <https://github.com/Delaware2015/team-9>

HOUalert, *Houston Hackathon*, May 2015

My team designed and developed a mobile and web application that allows Houston residents to track 311 reports, active police and fire dispatches, severe weather alerts, and get information regarding emergency preparedness and evacuation routes. I worked on the Android app, HTML scraping, and the integration of the ESRI GIS system. The project received a prize from Esri for the "Best use of ESRI technology" at the civic Houston Hackathon.

Project submission on Devpost: <https://devpost.com/software/houalert-us>

Software Engineering Team Projects, *Business Professionals of America Software Engineering Team Contest*, 2013-2015

I captained a BPA software Engineering team of four people in 2013-2014, which developed a side scrolling platformer RPG, and 2014-2015, which developed a Tetris inspired game that placed 2nd at nationals. I lead the team, wrote documentation and presentations, and programmed in Java.

Code and documentation on Google Drive: <https://drive.google.com/file/d/0B68uvLccTIXVTkNRWIVxTkVsWG8/view>

ACTIVITIES AND LEADERSHIP

ACM ICPC Programming Team

I competed on a three-person programming team for the South Central Regional Qualifier in 2015, 2016, and 2017, reaching 20th place in 2016 and 27th place in 2017.

UIL Computer Science

I competed on my school's UIL computer science team from 2013-2015.

Business Professionals of America

As a competitor from 2013-2015, I attended two regional, one state, and one national Leadership Conferences.

- Placed second at Nationals in Software Engineering Team in 2015

Boy Scouts

I earned the Eagle Scout Award in 2014 from Troop 595 and served as Senior Patrol Leader in the Fall of 2013. I am currently an Assistant Scoutmaster for Troop 595.

AWARDS, HONORS, AND ACHIEVEMENTS

Spring 2017	University of Dallas Honor Roll
Fall 2016	University of Dallas Dean's List
Spring 2016	University of Dallas Honor Roll
Fall 2015	University of Dallas Honor Roll
2015	AP Scholar with Distinction – College Board
2014	Eagle Scout – Boy Scouts of America Troop 595

SKILLS

Proficient in: Java, Android, Git, Python, Swift, iOS, HTML, CSS, AWS, Racket

Worked in: JavaScript, NodeJS, AngularJS, Sage, Rust, SQL, Lisp