

Noah Huber-Feely

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Education

- Expected 2021 **BS in Computer Science**, *Columbia University*, New York, NY.
- Campus Involvement: Columbia Space Initiative (CubeSat team), Robotics Club, Science Fiction Society
 - Cumulative GPA: 4.0

Experience

- May 2018 – **Software Engineering Intern**, *Chartbeat*, New York, NY.
- Aug 2018
- Worked on every component of the stack (React front-end to Python back-end and Redshift views) with a primary focus on back-end development intermixed with developing idiomatic React and Angular components.
 - Enhanced query speeds by up to 80% through heuristic computation
 - Launched their historical analytics product out of beta. Developed majority of new product features and performance improvements. Launch led to their all-time highest customer use of historical analytics.
 - Advised product vision and built most projects from the front-end design stage to the back-end changes.
 - Concurrently participated in the HackNY Fellowship, gaining a foundation in the startup world.
- Oct 2016 – **CTO**, *LifeTriage*, Huntsville, AL.
- Present
- Lead all current development and independently constructed & deployed mobile apps for iOS and Android along with a robust web app using React Native, node.js and a MongoDB back-end. (ctips.lifetriage.com)
 - Improved loading time by over 120% with WebSockets and developed algorithms for recommendations based on collected user data.
 - Directed user testing and analytics, including A/B testing, increasing user engagement 300%.
- Mar 2016 – **Business Owner**, *Noah's Arc Development*, Winchester, TN.
- Jul 2017
- Built back-end APIs, mobile apps and websites for 7 clients from small businesses to medium corporations.
 - Delegated project tasks and handled small team management. (noahcodes.com)
- May 2015 – **Computer Science Teacher**, *PEN Foundation*, Winchester, TN.
- Sep 2015
- Crafted individualized lessons from fundamentals to machine vision for 40 students and built a Wordpress site with lessons for at home learning. Taught K-12 students each Saturday at Winchester Public Library.

Leadership & Projects

- Jan 2015 – **Personal Assistant and Learner (PAL) - Personal**, *NLP, Weak AI*, Winchester, TN.
- Present
- Developed a robust voice and text UI handling both intent parsing as well as execution of "skills" built on the skills framework. Employs TensorFlow to determine context. (github.com/huberf/pal)
- Sep 2015 – **Hop Around Huntsville - President**, *Data Streams, Geospatial*, Huntsville, AL.
- Aug 2016
- Constructed back-end system built for Huntsville, AL government to publicly track their bus network. Employs websockets for real time location delivery. (github.com/codeforhuntsville/transitTracks)
- Sep 2016 – **Quantified Self - Personal**, *Data Collection, Prediction and Inference*, New York, NY.
- Present
- Collect millions of data points (e.g. heart rate variability, coffee intake, task completion rate) and write systems to analyze and offer suggestions to improve myself. Employed TensorFlow models to derive correlations.

Skills

- Languages JavaScript, Python, Java, C++, Clojure (intermediate), HTML, LaTeX, SQL, CSS
- Frameworks React Native, Node.js, Express.js, Socket.io, Amazon Alexa, React, Angular, TensorFlow (intermediate)
- Utilities Git, Vim, Bash, MongoDB, PostgreSQL, AWS S3, Xcode, Android Studio