JONATHAN VEHAUN

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1062 McMillan St NW, Atlanta, GA 30318

EDUCATION

Georgia Institute of Technology, Atlanta, GA					August 2015 - August 2019
Candidate for Bachelor of Science in Computer Science
GPA 3.70/4.0 - Faculty Honors
Honors Program

Charlotte Country Day School, Charlotte, NC					May 2015
GPA 4.333/4.0 - Summa Cum Laude

PROJECTS

CHIP-8 and Gameboy Emulator					September 2019
· Wrote an emulator of a basic computer system in Rust to grow in systems programming
· GB has over 500 variable length opcodes and various memory management schemes

Mobile Fetal Heart Rate Monitor					August 2018 - May 2019
· Joined BME team to create clinically tested telemedical Android app to capture fetal heart rate
· Used signal processing and communicated with custom hardware to display graph of heart rate

SKILLS AND INTERESTS

Programming	Java, C, C#, Haskell, C++, Rust, Ruby on Rails, ReactJS, HTML, CSS, Javascript, XML, Python, MongoDB, NoSQL, MySQL, PostgreSQL, Git, Vim, tmux, Vagrant, Docker, Bootstrap, Linux
Concepts	OOP, TDD, OS Design, UNIX, Data structures, Computer organization & programming, Discrete mathematics, Multithreaded application programming, Program design, Computer Design, Probability and Statistics, Neural Nets, Machine Learning, Functional programming, Processor design, Combinatorics, Agile development, Project management
Clubs/Interests	GT Navigators, GT Cycling, Ultimate

EXPERIENCE

Full Stack Web Developer					July 2018 - August 2018
· Fulfilled a contract to create an interactive promo app that will be used by over a dozen brands
· Frontend was custom using Haskell, Yesod, Bootstrap, HTML, CSS, and Javascript

Software Engineering Co-op, Abbott Laboratories					January 2018 - June 2018
· Developed and maintained .NET in-house tools for iOS app testing for a class III medical device
· Created a Xamarin app to edit registers of an Implantable Pulse Generator over BLE

Software Engineer, Layer3 Communications					June 2017 - August 2017
· Developed a full-stack web app in Haskell for accessing an ONT provisioning tool
· Learned the advantages of functional programming and strongly typed languages

Software Engineer, Trustfuel					May 2016 - August 2016
· Developed a CSM tool in Rails to help SaaS businesses maintain customer relationships over time
· Used a ReactJS frontend with a PostgreSQL server; also a companion app with NodeJS and MongoDB