JONATHAN VEHAUN

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EDUCATION

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

EXPERIENCE

Software Engineer, Datasembly   December 2020 - Present
· Wrote web scrapers in Scala responsible for billions of collectables daily through hundreds of APIs
· Maintained core service in Rust/Scala to route over 150 scraper microservices through thousands of proxy egresses
· Created adaptive AI/ML technology to adjust running scrapers to avoid bot detection using genetic algorithms

Software Engineer I, Revenue Analytics   December 2019 - December 2020
· Managed support for Python/Pandas B2B pricing tool for billion-dollar company and KT to offshore team
· Led development of API/UI for new pricing tool in AngularJS, Typescript, Flask, and SQLAlchemy

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

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

SKILLS

Programming	Scala, Python, Rust, Pandas, AngularJS, Typescript, Cloud Fundamentals, Java, C, C#, Haskell, Ruby on Rails, ReactJS, HTML, CSS, Javascript, XML, PostgreSQL, Git, Vim, Spacemacs, Bootstrap, Linux
Concepts	OOP, TDD, OS Design, UNIX, Data structures, Computer organization & programming, Discrete mathematics, Multithreaded application programming, Program design, Computer Design, Functional programming, Processor design, Combinatorics, Agile development, Project management, Scrum, Kanban