

# JONATHAN VEHAUN

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## EDUCATION

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

August 2015 - August 2019

## EXPERIENCE

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### Software Engineer, Datasembly

December 2020 - Present

- Maintained and wrote web scrapers in scala responsible for billions of collectables daily
- Maintained core service in Rust/Scala to manage 150 scraper microservices at scale

### 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

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### 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

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<b>Programming</b>	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
<b>Concepts</b>	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