



# RF

# RYAN FEHR

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## EDUCATION

### BS COMPUTER SCIENCE

DEC 2018 • INDIANA UNIVERSITY

3.97/4.0 GPA

C343 Data Structures and Algo.

C461: Database Algorithms

C291: System Programming with C and Unix

C335 Computer Structures in C

C211: Calculus I

C241: Discrete Mathematics

M303: Linear Algebra

D191: Design studies

### MINOR BUSINESS

DEC 2018 • INDIANA UNIVERSITY

G300: Economic strategy and game theory

## SKILLS

	Proficiency
Java	<div><div></div><div></div><div></div><div></div><div></div></div>
C#	<div><div></div><div></div><div></div><div></div><div></div></div>
C	<div><div></div><div></div><div></div><div></div><div></div></div>
Python	<div><div></div><div></div><div></div><div></div><div></div></div>
SQL	<div><div></div><div></div><div></div><div></div><div></div></div>
HTML/CSS	<div><div></div><div></div><div></div><div></div><div></div></div>
JavaScript	<div><div></div><div></div><div></div><div></div><div></div></div>

## EXPERIENCE

### 84.51 • APPLICATION DEVELOPMENT

MAY 2017-AUGUST 2017 (3 MONTHS)

- I will be building data analytic tools in Java to help data scientist better test their code and validate their data

### INDIANA UNIVERSITY • TECHNICAL INTERVIEW ASSISTANT

JAN 2017-CURRENT

- Conduct and execute technical interviews for graduate and undergraduate students. Sole technical interviewer at Indiana University.

### HUMANA • DATABASE AUTOMATION AND SERVICES ENGINEER

AUGUST 2016-JANUARY 2017 (6 MONTHS)

- Implemented a scalable parallel processing solution in C# for collecting data on SQL servers containing 4+ petabytes of data (based on a design I built during my internship)  
- Cut data collecting times by 90% and provided a linearly scalable solution

### HUMANA • DATABASE AUTOMATION AND SERVICES INTERN

MAY 2016-AUGUST 2016 (3 MONTHS)

- Designed a replacement to multi-threaded collectors that was scalable and alleviated deadlocks using C#  
- Built recovery plan for database encryption keys for SQL Servers enterprise wide  
- Worked on an agile team developing a web application in the MVC4 model and .NET framework using C#, JavaScript, AJAX, JQuery etc.  
- My team implemented 110+ production features and bug fixes

### KINDRED • APPLICATION DEVELOPMENT INTERN

JULY 2014 (1 MONTH)

- I worked on developing a IOS app using Xamarin studio to market Kindred to future nurses

# PROJECTS

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## **NavBot | Autonomous Robot**

- NavBot is a robot I created that navigates its environment based on light, sound, and touch using C as the programming language.

## **Tetris | C Unix Game**

- This is a version of Tetris that runs through the console

## **Pi-Nigma | Raspberry Pi**

- Recreation of the enigma machine from WWII using a raspberry pi and Python

## **SquareTouch | Android app**

- Square touch is a tile based reaction game I am currently building using Android Studio