

# Bhavik Patel

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## OBJECTIVE

Experienced Analyst shifting my career into Software Engineering to build products that automate tasks, create transparency, and empower leaders to make more informed decisions through data.

## EDUCATION

### 42 USA

*Software Engineering*

July 2016 - September 2017  
"This is not another programming bootcamp. It's another MIT." - *Paul Graham*

### Fremont, CA

### The University of Texas

*Bachelor of Arts in Economics*

Certifications & Training: CFA ® charterholder

### Austin, TX

Graduation 2010

## TECHNICAL SKILLS

Languages: C, Ruby, MySQL

Libraries/Frameworks: Rails, Sinatra, MySQL, Postgres, Python

Testing Frameworks: RSpec, Minitest

## Programming Experience & Projects

### Learn Sinatra with Hangman:

- Created a tutorial on how to build a hangman application with Sinatra for 42's summer bootcamp for High School Students.
- Tutorial goes over the HTTP request and response cycle, how routes work, and understanding ERB

### Ruby Web Blog:

- Created a Ruby on Rails Web App that uses SQLite for the database and Heroku for deployment.
- Using Minitest as the testing suite, with a 92.0% code coverage.

### Wolf3d:

- Recreated a portion of the classical game Wolf3d using the ray casting technique
- Program is driven on an event basis, which re-renders the image to give the illusion of dynamic space
- Multithreaded operations used to split up the process between 16 cores.

## EXPERIENCE

### Daimler-Benz/Car2go

*Financial Analyst, Finance and Controlling*

Austin, Texas — November 1st, 2014 - July 1st, 2016

### Accomplishments

- Developed a Python script that would calculate and reconcile our monthly parking invoice for the city of Calgary based off rental history.
- Made a Random forest prediction model for rentals using Python's scikit-learn library on 3 years of rental data. The model was used to assist general managers in their relocation strategy.
- Actively managed the development of the Operating Plan with the CFO and Car2go locations managers.

### Bank of New York Mellon

*Senior Bond Analyst, Bond Analytics Group*

New York City, NY — August 28, 2011 – July 15, 2014

### Accomplishments

- Led an internal startup initiative to drive revenue growth
- Collaborated on a project to transition from Actuate reporting to Crystal reporting, saving the group \$1.4 million in costs
- Built detailed financial models for various complex structured products in systems like Eclipse and Excel