

Arush Mohan Gupta

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EDUCATION

University of California, San Diego

Graduation: June 2018

Major: Computer Science - Mathematics

SKILLS

Languages: Ruby, Java, Python, HTML, CSS, Javascript, C#, SPARC Assembly, Visual Basic, XML

Technologies: Rails, Heroku, Git, SendGrid, NGINX, Unicorn Server, Ubuntu, Android SDK, Xamarin

Databases: PostgreSQL, MySQL, MS SQL, Microsoft Access

Programming Techniques: ORM (Active Record), Object-oriented Programming

Editors: Sublime Text, Eclipse, Xcode, Android Studio, Visual Studio, Vim, IntelliJ

PERSONAL PROJECTS

Messenger Bot (Python)

<https://git.io/vPG1f>

September 2016 – Present

- Developed a Facebook messenger Chabot that sends automated replies
- Implementing natural language processing to make the bot better at understanding the user

MUN at UCSD Website (Ruby on Rails) <http://ucsdmun.org>

June 2015 - Present

- Amplified admin's ability to manipulate website data by providing 6 additional features to the previous 4
- Integrated Capistrano with Unicorn to be able to auto-deploy the website

Automated Mailer (Python)

<https://git.io/vPG1c>

September 2016 – October 2016

- Implemented SMTP to mail live weather reports of a particular city
- Employed Python's Object Oriented Programming syntax

What's in My Fridge (Android)

<https://git.io/vzf3H>

October 2015 – December 2015

- Integrated Food2Fork's API and implemented JSON parsing to improve search and display for recipes
- Incorporated Espresso testing framework for scenario testing to check for runtime problems

Payroll System (Visual Basic)

September 2012 - January 2013

- Accelerated salary generation efficiency by reducing manual work from 4 hours to 1 hour
- Conserved the employer's time on rework and finding mistakes

EXPERIENCE

Health Sciences UCSD (Backend Developer)

March 2015 – November 2015

- Executed 100% database migration from MS Access to MS SQL
- Advocating the employer in understanding and adapting to the new system
- Coached the employer to take full advantage of the database in the applications being used across UCSD

Net Solutions (Full Stack Developer Intern)

June 2015 - September 2015

- Lead a team of 3 Ruby developers; I worked across the dev stack from DB design to Rails backend to UI design
- Wrote code central to the website and implemented Active Admin gem for Rails backend
- Designed and scripted the frontend of the website with responsive HTML 5/CSS and Javascript

Fiserv (Backend Developer Intern)

July 2014 - September 2014

- Developed a utility using C# on the .NET platform to provide any conflicts in the extensions provided
- Boosted efficiency by reducing rework time due to errors from 5-6 hours to 30 minutes - 1 hour
- Employed data structures like ArrayLists and Dictionaries to implement a variety of functions