

Junnie Sim

github.com/einnuj

EDUCATION

Stony Brook University

Bachelor of Science in Computer Science, Linguistics

Stony Brook, NY

May 2016

EXPERIENCE

CA Technologies at SBU

Senior Research Aide

Java

Jan 2016–Jun 2016

- Designed and implemented IoT project in back-end and security teams involving technologies such as Spring, Docker, MQTT, and LDAP.
- Researched and performed extensive code review on cloud-data team changes with analyses of options.

Orbis Systems Inc.

Software Development Intern

Java, Python

May 2015–Aug 2015

- Debugged production back-end in legacy Java code, solving performance issues in live webapp.
- Developed an ORM Python project to automatically update database with data pulled from the internet.
- Extended intranet for timesheets with logging, validation, and permissions using Stripes and Bootstrap.

PROJECTS

“Comic Sans” GAE Webapp

Capstone Class Group Project

Java

Spring 2016

- Constructed Google App Engine website that allows clientele to CRUD, rate, comment, favorite, and/or subscribe to comics and creators.
- Designed and presented webapp and its software specifications under agile development principles.
- Managed data-flow from Google’s App Engine to Java Servlets to browser, using technologies such as GAE’s API, Objectify, FasterXML’s Jackson, JSTL/EL, jQuery, and AJAX.

“RxCheck” Health Webapp

HackMARS “Best Use of MongoDB” Group Project

Python

Fall 2015

- Engineered Python web-server with MongoDB to cross-reference user-input medical conditions and medications for possible negative interactions using Flask, PyMongo, and BeautifulSoup.
- Developed communications module using SendGrid and Twilio allowing users to opt-in to alerts through text, automated phone call, and/or email if any relevant drug interactions are published.

“If You Are The One” Dating Webapp

Class Group Project

Java

Fall 2014

- Built Java web-server using MySQL database with Bootstrap to achieve modern functionality; generating profile suggestions, a working date history with rating system, profile search filtering, etc.
- Wrote extensive documentation, including E-R and relational models, full database transaction specifications, and complete Programmer’s Guide, encouraging a well-engineered product.

SKILLS

- Proficient in **Java** and **Python**; acquainted with **C**, **MySQL**, **Bash**, **MIPS**, and **Javascript**.
- Experienced with Git, Maven, Windows, Unix, GAE, HTML, CSS, JSTL/EL, AJAX