

# Chunghee Kim

[chungheek.github.io](https://chungheek.github.io) | [github.com/chungheek](https://github.com/chungheek) | [linkedin.com/in/chungheek](https://linkedin.com/in/chungheek)

## EDUCATION

### **B.S in Computer Science**

Oregon State University

**Projected: August 2021**

### **B.S in Biomedical Engineering**

Georgia Institute of Technology

**August 2015**

## TECHNICAL SKILLS (Experience)

- ❑ Languages: C#, Angular, Python, Java, Jython, JavaScript, HTML/CSS, C/C++, SQL, Matlab/Simulink, Labview
- ❑ Software/Environments – Windows, MacOS, Ubuntu, RedHat, Kali Linux, PostgreSQL, MS SQL Server, MySQL, Selenium Webdriver, Selenium IDE, Git, Bitbucket, Github, Jenkins, Maven, Django, Dropwizard, Codeship, Harrow, REST API, WireShark, Savvius Omnipeek, ElasticSearch
- ❑ Requirements Management – Jira, Confluence, Wiki, eShare, Microsoft Word, Excel

## PROFESSIONAL SUMMARY

- ❑ Knowledge of Software Development Life Cycle (SDLC)
- ❑ Experience working in Agile Software Team
- ❑ Experience with Amazon Web Service (AWS)
- ❑ Experience implementing continuous integration with automated tests using selenium web driver, Jenkins, Codeship, and Harrow.io
- ❑ Experience with Python, Java, SQL and JavaScript programming languages in both testing and development
- ❑ Experience with Technical Support in payment terminals and terminal management software
- ❑ Experience with collecting network traces through WireShark and Omnipeek

## EXPERIENCE

### **Software Engineer**

Tinroof Software, Atlanta, GA

**February 2019 - Present**

Project: Part of a software development consulting firm that provides development related services to different clientele in the Atlanta area. My first project and client are NCR, a technology company that makes self-service kiosks, point-of-sale terminals, automated teller machines, check processing systems, barcode scanners, and business consumables

NCR:

- ❑ Created and established QA Automation work from the ground-up for Consumer Self Ordering (CSO) kiosks using Javascript, Jest, and Selenium
- ❑ Created a Jenkins instance that provided CI/CD services for the CSO product, and compared to the previous system, reduced build queues by hours, speeding up the build process, and providing builds to QA instantaneously.
- ❑ Worked on stories and bugs related to Consumer Self Ordering kiosk working with C#, Winforms, and Angular.
- ❑ Worked with receipt printers, credit-card pin pads, and magnetic stripe readers to integrate and improve upon CSO application
- ❑ Worked closely with teammates in 2-week sprints and able provide high quality work that was demo'd at the end of the sprint.
- ❑ Worked on priority 1 bugs that had huge impact on customers and able to provide hot-fixes for these customers

## **Technical Support Engineer**

**April 2017 – February 2019**

Ingenico NAR, Alpharetta, GA

Project: Part of a small Level-2 technical support team that helps external and internal clients troubleshoot issues with products, environments, and networking. My responsibilities included supporting clients with the following issues: variety of payment terminals, machine to machine communication, database related issues, log entries, and troubleshooting general hardware/software related issues. Ingenico is a leader in seamless payments providing a wide range of solutions upholding the highest security and PCI compliance

- ❑ Worked with clients from a wide variety of industries to troubleshoot critical issues centered on Ingenico products and production environments.
- ❑ Tested and debugged different payment software applications, firmware patches, and network stacks.
- ❑ Collected and analyzed network traces using Wireshark, Savvius Omnipeek, and internal tracing software to provide insight into machine communication, application behavior, and hardware behavior.
- ❑ Became a subject matter expert on Estate Manager a Java based terminal management web-application.
- ❑ Configured and set up relational databases such as PostgreSQL, MSSQL Server, and MySQL for Estate Manager.
- ❑ Used Python and SQL to create tools used to migrate, analyze, and test customer payment terminal data
- ❑ Created custom queries and worked on integrating Elastic Search for Estate Manager
- ❑ Setup RESTful API functionality on Estate Manager for customers
- ❑ Troubleshot SSL/TLS issues on payment terminals and Estate Manager
- ❑ Assisted customers setup Estate Manager on different Linux distros and troubleshot Linux-related Estate Manager issues
- ❑ Configured network settings of Ingenico devices, hubs, switches, routers, and access points

## **Software Engineer**

**March 2016 - January 2017**

Yomigo Inc, Bethesda, MD (Remote)

Project: Part of the small development team at Yomigo, a start-up that is building a payment application to help groups split payments. My responsibilities included creating and documenting test cases, automating tests, and maintaining test documentation. I was also involved in full-stack development using Python and Django

- ❑ Identified test cases to automate and develop automation test scripts using Selenium WebDriver and Python
- ❑ Wrote automated test cases using Page Object Model in for test case maintainability
- ❑ Involved in creating automation testing using Python, Harrow.io and Selenium Web Driver
- ❑ Configured and installed Selenium WebDriver, Jenkins for continuous build cycles
- ❑ Wrote simple and complex SQL queries to validate manual tests
- ❑ Installed and configured Postgres server on AWS for development
- ❑ Document all manual testing procedures for the entire application with emphasis on regression
- ❑ Ran manual and automated tests as part of the QA process for the application
- ❑ Engage in Agile project methodology; project planning, test planning and coordinating
- ❑ Developed new and updated existing automated tests for each sprint as part of agile development
- ❑ Analyzed business requirements, functional requirements, use cases and provided feedback
- ❑ All development tasks followed the Test Driven Development (TDD)
- ❑ Used Jira for bug reporting and tracking
- ❑ Involved in all phases of Software Development Life Cycle (SDLC)
- ❑ Strong communication, collaboration & team building skills with proficiency at grasping new technical concepts
- ❑ Manipulated pictures and text using JavaScript and HTML/CSS
- ❑ Created models for event 'Bookings' and manipulation of its data
- ❑ Developed a 'Save Credit Card' function using Braintree's API and it's tokenization functionality using JQuery

**Scientist****September 2015 – March 2016**

Bioassay Systems, Hayward, CA

Project: Part of a small start-up team at Bioassay Systems, a biotech startup that creates and distributes biochemical assay kits. My responsibilities included manufacturing assay kits, conducting experiments, and data analysis

- ❑ Carried out chemical experiments, manufactured products, and analyzed large datasets for quality testing
- ❑ Received outstanding performance reviews; Selected to teach data analysis software to new employees
- ❑ Used Excel and SoftMax pro to conduct data analysis
- ❑ Conducted Quality Testing analysis, output efficiency, product comparative analysis

**Research Assistant****May 2015 – Aug 2015**

Georgia Tech Biomechanics and Motor Control Lab, Atlanta, GA

Project: Worked with a PhD student working on a project integrating different sensory devices in hopes to create an assistive robotic system that will improve motor control of those with neuromotor disabilities.

My responsibilities included establishing connections using TCP/IP protocols, setting up a parser for the different types of data, and coding in matlab to integrate the devices

- ❑ Programmed robot in Matlab using human movement information from patients with neuromuscular diseases to aid in physical therapy exercises
- ❑ Implemented network protocols that established connection-oriented communication between robot and sensory tracking device
- ❑ Configured parser to extract real-time coordinate data from sensory device and initiate robot movement
- ❑ Awarded excellent performance evaluations for high learning curve, exceeding in role, and completing responsibilities in half the expected time

**ACTIVITIES**

- ❑ Ingenico Hackathon: Won 3<sup>rd</sup> place out of 10-15 teams working on an android application
- ❑ Honeywell Hackathon: Won 2nd place by creating user-friendly website for Georgia Department of Public Works service request system. View @ [github.com/Gautams89/SmartCity](https://github.com/Gautams89/SmartCity) (01/21/2017)
- ❑ Coursera Course: Java Programming and Software Engineering Fundamentals (12/2016-Current)
- ❑ Coursera Course: Full-Stack Web Development (09/2015-11/2015)