HIEN NGUYEN

SOFTWARE ENGINEER

📞 +358469335071
@ hienminhnguyen711@gmail.com
% PORTFOLIO : http://hiejulia.github.io/
📍 Helsinki, FI

EXPERIENCE

Full stack developer

Elisa

📅 11/2019　📍 Helsinki, FI

Elisa Industrial IoT | Smart Supply Chain

- JavaSpring boot) | Azure SQL, Devops pipeline, Service Bus,Container Instance group) | Google Protocol Buffer | Microservice architecture | JSReact, Redux)
- Planing for patent with topic about streaming Google Protocol Buffer network data in AI search graph algorithms within multithread environment.

IT consultant | Software developer

Academic Work | Booky.fi Oy

📅 09/2017 - 09/2019　📍 Helsinki, FI

IT consutant for clients: Cataloging system | Ecommerce projects | Packing automation machine project

- PHP, JS, MySQL/MariaDB, PostgreSQL, Ubuntu, Centos7, DevOps

Full stack developer

LiquidBlox

📅 08/2017 - 09/2017　📍 Espoo, FI

Back end bug fixing | Front end new features for Start-up product

- Node.js, Angular.js, MongoDB, AWS, Jenkins

PROJECTS

Ongoing projects

📅 2020　📍 localhost

On going projects

- Develop a simple Java compiler that has semantic validation, lexical analyis, parse source to abstract syntax tree, compiler optimization
- A program that benchmark and profiling network communication protocols in distributed system between RPC, RMI, CORBA, MOM, Streams.
- A simple helper library support the Kotlin function call from C/C++ program

SUMMARY

Software Engineer with full stack experience in back end system, integration, software architectures, optimization, databases, distributed system, system design, datastructures and algorithms.

EDUCATION

Master of Computer Science (self taught)

Harvard | MIT | Stanford

📅 2019

Online

N.A / N.A

ACHIEVEMENTS

💎 **Google Cloud Platform certificat**
1 day training certification from Google Cloud

💎 **StupidHack x Junction**
"SayBark" - winner of one sector

💎 **Certification of Robodnic competition 2013**
Robot competition for high school student teams

💎 **Mercuri Urval Cognitive Ability Tests Top 4%**
SAP Cognitive Ability Test

PROJECTS

Junction 2019 HealthTech challenge project 48hours

📅 2019   📍 Junction

Dashboard analyze the performance of user emotions based on history of diaries kept by users, current emotions of user saved on the app

- Chat bot - give recommendations based on user text input emotions
- Diary - keep a history of daily emotions by speech recognition.
- User take a photo the app recognize the main emotions based on facial recoginition and give recommendation what user should do to improve better emotions
- connect to hospitals/ therapists and match the user health problems with suitable specialist.
- Data analysist and Machine learning analysisEmotions and recommendation system) | Java, JS, MySQL, GCP, Docker, Google Vision API, Camera, Speech recognition, Chatbot Dialogflow API

Flight booking

📅 2018   📍 Helsinki, FI

Backend services & integration with microservice architectures (got some stars and forks on Github)

- Spring framework | MQTT RabbitMQ, Kafka) | Redis | ElasticSearch | Docker | Database : MySQL, PostgreSQL, MongoDB, Cassandra | Bash scripting

Desktop application | Mobile application

📅 2018   📍 localhost

Develop various software in desktop & mobile platform

- Facial recognition desktop application JavaFX, OpenCV, Tesseract OCR, LIBSVM
- Meetup clone hybrid mobile application

Online shopping services | Enterprise intergraton project

📅 2019   📍 localhost

Utilize AWS services for shopping system | Integrate enterprise backend services

- Serverless architectureAPI gateway,Lambda, SQS | Crawl service with Batch request run on EC2 | AWS Lex bot service | Upload object serviceS3, AWS ElasticSearch) - Logging, Monitor
- Real time chat service | Big data collections | Spark streaming web logs | CD/CIMinikube - Kubernetes) | Analyse performance of Spark vs. Hadoop with collections of public datasets | Spin docker container for integration test

SKILLS

Java   Spring framework   SQL

NoSQL   AWS/GCP/Azure   DevOps

CD/CI   Docker   Kafka   OpenCV

Test   Hibernate/JPA   JS   MQTT

Distributed system   Concurrency

Scalability   Open source

Datastructure   Algorithms

Basic ML/AI   System architecture