



OBJECTIVE

Agile Developer position at SAP iXp intern

SUMMARY OF SKILLS

- **Programming/Scripting:** Java, C/C++, Shell, awk, Perl, SKILL, R
- **Other Skills:** Unix/Linux, MacOS, Windows, Microsoft Office Specialist (Words, Excel, Power point)

PROFESSIONAL EXPERIENCE AND ACTIVITIES

Process Design Kits (PDK) Engineer, Samsung Electronics, Yongin-si, Republic of Korea Jan 2010 – Jan 2015

- Developed PDK such as LVS Regressions, LVS, ERC, and PEX decks for 7nm, 10nm, and 14nm technologies
- Executed PDK Quality Assurance for 20nm, 28nm, 32nm, and 45nm technologies
- Interfaced with design rule developers, process development engineers, device designers, and device modelers
- Supported foundry customers (Apple, Qualcomm, NVIDIA, etc.) to validate various Chip/Block level issues
- Coordinated EDA Vendors (Synopsys, Mentor, Cadence, etc.)
- Managed and trained junior engineers by providing technical direction in the physical design flow

PROJECTS

Graphic Manipulation Using C++ (Academic) – C++, OOP, Data Structures, Algorithms Jan – Apr 2021

- Implemented algorithm analysis methods, searching and sorting algorithms to encode, decode and compress images
- Used dynamic memory programming and optimal runtime management

Tennis Partner Matching System (Academic) - Java, JSON, JUnit, Swing Jan – Apr 2021

- Designed and implemented a tennis partner matching desktop application
- Implemented JSON parser, and a simple GUI using Java Swing to search queries
- Used Test Driven Development using JUnit to ensure complete code coverage

Data Analysis – Implication of Vaccination to Life Expectancy (Academic) - R Jan – Apr 2021

- Conducted multiple regression analysis and visualization to measure the impact of immunization coverage on Life expectancy

OTHER EXPERIENCE

Food Service Supervisor, Kahve, Vancouver, Canada Mar 2018 – Jul 2020

Food Service Supervisor, Platform7, Vancouver, Canada Jun 2017 – Mar 2018

Barista, The Pennydrop, Melbourne, Australia Feb 2016 - Mar 2017

AWARDS

Best team of the year, Samsung Electronics 2014

Best team of the year, Samsung Electronics 2013

Kyung Hee Overseas Exploration Scholarships, Kyung Hee University 2009

Empirical Philosophy from Elderly Scholarship, Kyung Hee University 2007

OTHER ACTIVITIES AND INVOLVEMENT

New employees' orientation preparation team, Samsung Electronics, Republic of Korea 2010

Freshmen mentoring, Kyung Hee University, Republic of Korea 2009

International students assistants, Kyung Hee University, Republic of Korea 2009

UN World Civic Youth Forum, Kyung Hee University, Republic of Korea 2009

EDUCATION

Bachelor of Computer Science, University of British Columbia, Vancouver, Canada Sep 2020 ~ Current

Bachelor of Electronic Engineering, Kyung Hee University Yongin-si, Republic of Korea Feb 2010

REFERENCE Available on request