Seunghyun Yoo

CV – RESUME – PORTFOLIO

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EXPERIENCE

Florida International University – *Independent Researcher and Software Developer*

May 2011 - August 2011 & March 2015 - January 2016 : : Miami, FL and Gainesville, FL

Wrote code in Python and C++ to help download Gene Expression Omnibus datasets and analyze them using Bayesian Networks. Additionally worked with backend server maintenance through Django and Nginx. Also utilized the Southern Blot and Autoradiography usage on DNA samples in a professional laboratory environment.

Amazon Inc. – *Customer Satisfaction Agent*

September 2015 - December 2015 : : Gainesville, FL

Provided technical support to customers that were having issues with their accounts or with their orders place online. Interfaced with customers through a remote desktop function.

Seoul National University – *Researcher at Urology Department*

May 2012 - August 2012 : : Seoul, South Korea

Performed experiments on mice kidneys in a chemical solution to research the effects of certain drugs on Benign Prostatic Hyperplasia for use on humans. Also wrote code for a statistical model of urinary tract analysis.

PROJECTS

MODSIM – *A statistical model that calculates the lifetime risk of Alzheimer's Disease using Bayesian Networks*

Presented December 12-16, 2011 : : Perth, Australia

Published a research paper on Alzheimer's Disease in the 19th International Congress on Modeling and Simulation. Pooled data from the NIH and NCBI database by writing scripts for GeNIe and SMILE to analyze the lifetime risk of developing Alzheimer's Disease

PROGRAMMING SKILLS

Fluent In:

C++ – Large scale projects for long term development

C#/Java – High level programming and algorithm implementation

Python – Scripting to create efficient programs to solve complex tasks

HTML/CSS/Javascript – Interactive website development and design

Experienced with:

Selenium – Web Automation and test case scripting

Django/Nginx – Website framework and server maintenance for commercial and personal sites

MySQL/SQLite – Database creation and management

LANGUAGES

English – (Native)
Korean – (Fluent)
Spanish – (Conversational)
French – (Basic)