Curriculum Vitae

Personal Information

First name: Jessada

Last name: Thutkawkorapin

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Phone number: +46 73 774 8990

Nationality: Thai

Date of birth: April 10, 1979

Professional Experience

Research Assistant   **Stockholm**

Department of Molecular Medicine and Surgery, Karolinska Institute   *2012–present*

○ Enhancing the results from my thesis, and writing two manuscripts to publish the results

System Manager of IT Department & IT Project Leader   **Bangkok**

Thai Smart Card Co., Ltd.   *2006–2009*

○ Managing and implementing VT System on Django framework to provide web services to gateway servers

Software Engineer & Consultant   **Bangkok**

NCR Corporation Co., Ltd.   *2001–2005*

○ Using SDLC model to gather requirement, analyse, design, develop, unit test and UAT Cheque Clearing System for HSBC(Singapore), HSBC(Hong Kong), and many other banks in South East Asia

Education

KTH Royal Institute of Technology   **Stockholm**

MSc in Computational and Systems Biology   *2009–present (expected March 2013)*

Chulalongkorn University   **Bangkok**

B.Eng. in Computer Engineering   *1997–2001*

Master Thesis

Title: Disease gene candidate discovery by genome sequencing: improved variant filtering tools

Supervisor: Daniel Nilsson

Description: Variant filtering technique still has much room for improvement. This thesis proposes tools to build background variation frequency database to aid filtering known variants. Moreover, it also proposes a method to increase prediction accuracy by using machine learning technique to combine the results from effect predictors, SIFT, polyphen 2, GERP++, LRT, Phylop, and Mutation Taster.

Publication

I am in a process of writing two manuscripts to publish the results from my master thesis. The manuscripts are expected to be done within this year(2012).

Referees

Lars Arvestad

PI, Karolinska Institutet Science Park, Stockholm

email : lars.arvestad@scilifelab.se

Daniel Nilsson

Clinical Scientist and Appointed Clinical Researcher, Karolinska University Hospital, Stockholm

email : daniel.nilsson@scilifelab.se

Scientific Interest

Wellcome Trust 4-year PhD programme in November 17, 2012
Mathematical Genomics and Medicine
Department of Applied Mathematics and Theoretical Physics
Wilberforce Road
Cambridge, CB3 0WA, UK

To Whom It May Concern,

I have very strong interest covering a broad area of research:

- Genome analysis and annotation
- Metagenomics
- Evolution
- Epigenetics
- Functional genomics and gene networks
- Software development and bioinformatics, including Text Mining, Machine Learning, and Statistics

Being able to do the research related to "Disease-susceptibility prediction based on genetic variation" is the aim of my scientific career. The reason that I changed my career path to bioinformatics is due to my desire to help other people preventing or reducing the effect of diseases by knowing what diseases they might have in advance. Preferably, I'd like to do the research in an area close to finding disease causing as much as possible. Otherwise, considering my very strong background in software engineer compared to my biology background, I'd like to research or develop tools, methods, or algorithms, that can enhance the current bioinformatics techniques, or can be used as an integral part of a pipeline to find a disease causing.

Sincerely,

Jessada Thutkawkorapin