Dhinakaran M. Chinappen

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EDUCATION	**Cornell University, Ithaca, NY**	**Class of 2013**

College of Engineering and The Graduate School,
Master of Engineering, Biomedical Engineering

Fellow of The Institute for African Development with graduate tuition fellowship; Nominated member, Engineering Leadership Program Advisory Board; School of Electrical and Computer Engineering Master's project 2nd Prize school-wide Award (Team Leader); Gold Medalist at ECE Taekwondo Tournament.

University of Pennsylvania, Philadelphia, PA   **Class of 2009**

School of Arts and Sciences,
Bachelor of Arts, Major In Economics, Minor in Mathematics
School of Engineering and Applied Sciences,
Bachelor of Science, Major in Bioengineering

Dual Degree Penn Scholarship, Undergraduate Penn Engineering Scholarship, Dean's List Academic Honors, Bioengineering Senior Design Award; Double National Collegiate Taekwondo Medalist; DJing: National recognition as Artist in fields of Music and of Recreational and Performing Arts (Minister of Arts, Mauritius).

WORK EXPERIENCE	**Picofemto LLC, New York, NY**	**2013-2015**
	Director, Biomedical Engineering	*2014-2015*
	Biomedical Engineer	*2013-2014*

- Starting team in establishing a new and expanding company in NYC.
- Recipient of O-1 visa for Extraordinary Abilities in the Sciences (USCIS).
- Project and *de novo* algorithm design, flow, proposal and management in agile development mode for continuous front and back end integration.
- Lead Scientist on successful FDA 510(k) cleared medical device, 2015.
- Business development: product design, business plan crafting, main presenter for investor and client demonstrations, addressable market space research
- Intellectual Property Primary Author: *Multifactor Brain Analysis via Medical Imaging Decision Support Systems, Provisional Patent, USPTO, USA, 2014.*

Children's Hospital of Philadelphia, Philadelphia, PA   **2009-2012**
Anesthesiology and Critical Care Medicine
Research and Development Non-Traditional Personnel

- Neuroimaging HIV/AIDS translational R&D for MRI biomarkers detection in relation to brain dysmorphology, neuropsychiatric evaluation and bloodwork.
- Hippocampal Formation High Res MRI morphometric quantitative measurement.
- Auto Stereological Quantification of Fluorescence-labelled brain tissue.
- Basis of several NIH multicenter grant proposals between Penn, CHOP and NIH.
- Selected Publication: Chinappen DM et al, *Total and Regional Brain Volume Decrements in Perinatally HIV-infected Youths as a Potential Biomarker for HIV-associated Neuropathology, 18th Conference on Retroviruses and Opportunistic Infections, Boston, MA, USA, 2011.*

TECH SKILLS	Unix, Matlab, HTML5, R, SQL, CAD, UX, MS Office; Familiarity with C#, Python, Java

LANGUAGES	Fully Fluent: English, French, Mauritian Creole; Reading and Writing: Tamil