

PERSONAL INFORMATION

Date of Birth: June 25th, 1985.
Nationality: Indonesian.
Country of Birth: Indonesia.
Visa Status: F1 (Student Visa).

EDUCATION

Lehigh University, Bethlehem, PA **July 2008 – Current**
MS Candidate in Electrical Engineering

University of Wisconsin – Madison, Madison, WI. **September 2005 – May 2008**
Bachelor of Science in Physics, May 2008

De Anza Community College, Cupertino, CA. **April 2004 – August 2005**
Non-degree transfer program.

RESEARCH EXPERIENCE

Superconductivity Proximity Effect from the Department of Physics at the University of Wisconsin – Madison. Fall 2007 until recently. Supervised by Prof. Maxim Vavilov.

- Learning a suppression of energy density states of normal metal inside the superconducting chaotic billiard system.
- Sufficient experience using numerical simulations in Matlab and Mathematica.

High Temperature Superconductivity from the Department of Physics at the University of Wisconsin – Madison. Summer 2007 to Fall 2007. Supervised by Prof. Mark Rzchowski.

- Thesis project: Microwave Frequency Response of Superconducting Critical Temperature State in Yttrium Barium Copper Oxide (YBCO) Material.
- Sufficient experiences using cryogenic systems such as a temperature controller, liquid nitrogen, and a vacuum flask.

Bioelectronics from the Department of Electrical Engineering at the University of Wisconsin – Madison. Summer 2006 to Fall 2007. Supervised by Prof. Robert Blick.

- Learning how ions flow inside biological artificial system using semiconductor materials such as quantum dots and organic materials such as alamethicin.
- Sufficient experiences using patch clamping technique, faraday cage, and computer data acquisitions.

SKILLS

Microsoft Word, Microsoft Excel, Microsoft Power Point, MatLab, and Mathematica.

ADVANCED RELATED COURSES

Physics 322. Intermediate Classical Electricity and Magnetism.
Physics 311. Intermediate Classical Mechanics.

Physics 321. Electric Circuit and Electronics.
Physics 415. Thermal Physics.
Physics 448. Atomic and Quantum Physics I.
Physics 449. Atomic and Quantum Physics II.
Physics 551. Introduction of Solid State Physics.
Physics 307. Intermediate Laboratory in Modern Physics.
Physics 308. Intermediate Laboratory in Electricity, Magnetism, and Optics.
Physics 525. Introduction of Plasma Physics.
Math 321. Applied Mathematical Analysis I.
Math 322. Applied Mathematical Analysis II.
MSE 350. Introduction of Material Science.

LANGUAGES

Indonesian (Native) and English (Fluent).