

# Edward Lin

110 台北市中正區中正路一號  
0928-123-456, david.lin@nfu.edu.tw, 役畢

## EDUCATION

**M.S. in Nanoengineering**, 2014-2016

*National First University*. GPA: 3.78/4.00

Thesis title: Microfabrication of bead arrays for application in DNA analysis.

**B.Sc. in Electrical Engineering**, 2010-2014

*National Second University*. Major GPA: 3.72/4.00

## PROFESSIONAL EXPERIENCES

**Second Lieutenant**, *Taiwan Army*, 2016-2017.

- Organized logistic system and enacted transportation plan for emergency military actions

**Graduate Student Researcher**, Dr. Ta-Wei Huang's laboratory, *National First University*, 2014-2016.

- Project: Developed a method to fabricate microbeads in an orderly array for DNA analysis
- Used soft lithography methods to fabricate micro-wells in polylactic acid (PLA).
- Prepared samples by micro-bead manipulations and surface chemistry attachments.
- Imaged microstructure using scanning electron microscope (SEM) and characterized the structures.

**Teaching Assistant**, *National First University*, 2014-2015.

- Course: Physical Chemistry.
- Held office hours and graded homework and exams.

**Undergraduate Research Intern**, Dr. Lao-Ta Wang, *National Second University*, 2012-2013.

- Project: Microfabricated sub-micrometer material using a two-photon laser system for applications in micro-electro-mechanical systems (MEMS).

## SKILLS

- **Nanotechnology**: Soft lithography, surface chemistry, scanning electron microscope
- **Programming**: Java, MATLAB, Perl, Python
- **Language**: Mandarin Chinese (fluent, speak/read/write), Taiwanese (fluent, speak), English (intermediate, speak/read/write)

## HONORS AND AWARDS

- **Gold Fellowship**, Great Gold Foundation, 2016.
- **Student Poster Award**, National First University Department of Nanoengineering, 2016
- **Third Place in Basketball**, Big Electrical Engineering Cup, 2012.

## PUBLICATIONS

Lin DK, Cheng HW, Li YY and Huang TW, "Micro-beads in an ordered array for DNA analysis" *Lab on a Chip*, 12: 1153-1159, 2016.

## • EXPECTATIONS & PROSPECTS