

A Reverse Chronological Résumé for Postgraduates

AARON TAN

Mobile: 9123 4567 E-mail: tanas@gmail.com

CAREER OBJECTIVE/PROFESSIONAL SUMMARY

Goal-oriented researcher with research/professional expertise in biomedical engineering and product development; exploring opportunities as a R&D engineer in your esteemed organisation; aims to contribute to the development of cost effective medical device implants.

EDUCATION

National University of Singapore **Aug 12-Jun 16**
 Doctor of Philosophy (Biomedical Engineering)
 • Faculty of Engineering
 • Thesis Title: Characterisation of Biomimetic Electrospun Nanofibers

National University of Singapore **Aug 06-Jun 10**
 BSc. (Hons) in Engineering Science, Second Upper Class (CAP: 4.4)
 • Faculty of Engineering
 • Dissertation Title: Analysis of Neuronal Migration using Microfabrication

RESEARCH EXPERIENCE

Graduate Research Student **Aug 12-Jun 16**
 Faculty of Engineering, National University of Singapore

- **Conceived** a novel study to develop a core structured nanofibers using fine fiber fabrication technique and study received a grant funding of \$10,000 from Singapore Engineering Council.
- Analysed data on tissue regeneration using core structured nanofibers on rabbit skin wound model and observed a 25% reduction in time taken for wound healing and findings were **published in the journal Science.**
- Collaborated with clinicians from National University Hospital and tested core structured nano fibers in patients with skin injuries as part of a clinical trial and observed a 20% improvement in tissue regeneration.

PROFESSIONAL EXPERIENCE

Business Development Executive **Jul 10-Aug 12**
 BioDerm, Singapore

- Developed a marketing campaign to promote wearable micro blood pressure sensors to Southeast Asian customers using social media platforms. The campaign was shared 5,000 times on Facebook and re-tweeted 1,000 times, which led to meeting the online sales target for 12 months and \$600,000 revenue.

TEACHING & MENTORING EXPERIENCE

Graduate Teaching Assistant/Mentor **Aug 13- Aug 15**
 Faculty of Engineering, National University of Singapore

- Tutored 300 undergraduates during laboratory sessions for 2 engineering modules (2 sessions per week) and achieved an overall feedback rating of 4.5 (5 points rating).
- Guided 4 masters and undergraduate students in research project design and provided technical trainings in fiber fabrication techniques, which enabled successful completion of research projects.

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It is sufficient to indicate your last two degree certifications.

Use your project goals as a framework to list your research achievements.

Use a variety of positive action verbs throughout the résumé.

Include results for every bullet point.

UNIVERSITY/PUBLIC ENGAGEMENTS

Chairman, Public Relations, NUS Entrepreneurship Society **Aug 13- Aug 15**

- Led a group of 8 committee members to actively promote the society at various university events, which successfully increased the membership by 30% [1000].
- Organised 6 workshops on online business development, which were conducted by local entrepreneurs for 50 society members.

Volunteer – NUS Rotaract Club **Aug 08- Jun 10**

- Raised sponsorship of \$2,000 for the Rotaract Club through crowdsourcing on social media and supported an awareness programme on personal hygiene for 200 children in Cambodia
- Contributed to fundraising activities as an event mascot that raised over \$5,000 for the development of an animal sanctuary in Thailand.

SELECTED PUBLICATION

Tan, A. and Shen, Y.X. (2014). Using Core-structured Nanofibers for Animal Tissue Regeneration. Journal of Biomaterials. 22:9107-9116.

CONFERENCE PRESENTATIONS

Tan, A. and Shen, Y.X. Using Core-structured Nanofibers in Human Skin Injury. Abstracts. 25:695. Poster presentation delivered at the Society for Biomedical Applications meeting, Washington, D.C., Jan 2015.

AWARDS & SCHOLARSHIPS

NUS PhD Scholarship, National University of Singapore **Aug 12-Aug 16**
 Society for Biomedical Applications Conference Travel Grant **Oct 2015**

TECHNICAL SKILLS/ADDITIONAL SKILLS

Laboratory Techniques – Histology, Electrospinning, Cell Culture
 Instruments – Confocal Microscopy
 IT/Softwares – Adobe Illustrator, C++, Matlab

Laboratory Management:

- Managed purchase of laboratory consumables within a monthly budget of \$10,000 for research group.
- Familiar with contributing to policies and strategies and have led teams of up to six people on different research projects as a steering group member for the Singapore Association for Science and Engineering Technologies.
- Languages: Fluent in English, Mandarin and conversational Japanese

PROFESSIONAL CERTIFICATIONS

Certificate in Project Management, Institute of Professional Development, Singapore **May 2014**

PROFESSIONAL ASSOCIATIONS

Associate member, Professional Society for Intrapreneurship **2012-Present**
 Member, Singapore Business Federation **2012-Present**

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Contributions to the university or community service can be classified under this category.

List only selected publications in a résumé and use a bibliographic format.

Indicate oral presentations in a résumé to convey oral communication skills.