

Bowen Jia
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EDUCATION

- **University of California, Davis** Davis, CA
Master of Science in Biostatistics; GPA: 4.00 Sep. 2016 – Present
- **The Chinese University of Hong Kong** Hong Kong, China
Bachelor of Science in Cell and Molecular Biology; GPA: 3.79 Aug. 2011 – July. 2016

PROFESSIONAL EXPERIENCE

- **Summer internship** Davis, CA
Graduate student researcher Jun. 2017 - Sep. 2017
 - **Biomarker Discovery:** Identify potential plasma metabolite biomarkers and develop and valiate models for severity of kidney disease
 - **Research duties:**
 - * Data processing;covariates selection;check colinearity
 - * Assessing goodness of fit;metabolome-wide analysis using FDR and heatmap
 - * Cross validation;model performance for prediction
- **Volunteer internship** Davis, CA
Student helper Mar. 2017 - Present
 - **RNA network analysis:** Apply spaceMap network analysis to the RNA expression data from Alzheimers Disease Neuroimaging Initiative
 - **Research duites:**
 - * Data processing
 - * Apply spaceMap to learn the network
- **Volunteer internship** Hong Kong, China
Student helper Jun. 2014 - Jun. 2016
 - **Plant salt tolerance:** Determine the potential interactions between Salt overly sensitive (SOS) signaling pathway and Brassinosteroid (BR) signaling pathway
 - **Research duites:**
 - * Screen potential interactions in vitro using Yeast two-hybrid
 - * Apply Bimolecular fluorecence complementation to confirm the interactions in vivo

PROJECTS

- **Text processing with pattern mathcing:** Extract strings from 30,000 vehicle web posts using regular expression
- **Genomics data analysis :** Prediction of cancer subpopulations based on single nucleotide polymorphism data

PROGRAMMING SKILLS

- **Languages:** R, Python, SAS, SQL,LaTex
- **Scientific writing:**
 - Study design
 - Proposal/manuscript preparation

TEACHING EXPERIENCE

- **Academic tutor:** Help undergraduate students with their course materials covering probability, statistics and R programming on a one-to-one basis.

AWARDS

- **2016:**

- Graduate student researcher

- **2015:**

- Morningside College Scholarship
- Morningside College Masters list
- Science faculty Deans list

- **2014:**

- Hong Kong Special Administrative Region Government Scholarship Fund
- Hong Kong, China-Asia-Pacific Economic Cooperation Scholarship
- Morningside College Scholarship
- Morningside College Masters list
- Science faculty Deans list

- **2013:**

- Science faculty Deans list
- Morningside College Masters list
- Morningside College Scholarship

- **2012:**

- Science faculty Deans list
- Morningside College Masters list
- Morningside College Scholarship

- **2011:**

- Morningside College Masters list
- Morningside College Scholarship