

Jen-Chieh Chiang

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Education

Georgia Institute of Technology

Master of Science in Computer Science; GPA: 3.6/4.0

Dec 2017

University of Massachusetts Medical School

PhD in Biomedical Science

Dec 2017

Technical Skills

Languages: JavaScript/ES6, Python, Java, HTML, CSS, Ruby, R, MySQL

Frameworks: React, Redux, MongoDB, Express, Node.js, scikit-learn, Pandas, Seaborn, Matplotlib, Angular, Bootstrap, SpringMVC, Ruby on Rails, jQuery

Professional Experiences

University of Massachusetts Medical School

PostDoctoral Associate

Dec 2017 ~ Present

Analyzed genomic data using R and Bioconductor to evaluate effects of chromosome silencing on Down syndrome cells and identify mis-regulated genes and pathways

Selected Projects

Protofolio

[<https://protofolio-jcc.herokuapp.com/>] [<https://github.com/bpru/protofolio>]

My portfolio website

- Implemented frontend with React and backend with Node.js
- Responsive web design

Auto-Email

[<https://autoemail.herokuapp.com/>] [<https://github.com/bpru/emaily>]

A feedback-collection web app

- Implement MERN stack web service with *MongoDB, Express, React, and Node.js*
- Develop Ajax based frontend with *React* and *Redux* for middleware and reducers
- Handle user authentication with Google OAuth authentication
- Process credit card payment through Sendgrid

SciConnector

[<https://sciconnector.herokuapp.com/>] [<https://github.com/bpru/sciconnector>]

A social network web app for scientists

- Implement MERN stack web service with *MongoDB, Express, React, and Node.js*
- Develop Ajax based frontend with *React* and *Redux* for middleware and reducers
- Implement backend with *Node.js*, database with *MongoDB*, and *REST API* via *Express*.

GamesBook

[gamesbook.herokuapp.com] [<https://github.com/bpru/gamesbook>]

Rails based online social and gaming web service

- Developed *REST APIs* with *Ruby, Rails, jQuery*, and *Bootstrap*
- Implemented persistent storage using *AWS*

FaceOff

[<https://github.com/bpru/faceoff>]

Python based program to swap 2 faces within the same photo

- Implemented facial recognition feature with *Python, OpenCV*, and *Dlib*
- Worked on > 80% tested photos