

江士尧

联系方式

电子邮箱: shiyao.jiang@stonybrook.edu

电话号码: +1 6312027860, +86 18925035920



教育经历

纽约州立大学石溪分校

2018.8-2020.5

- 专业: 电子工程 (硕士)
- GPA: 3.84/4
- 核心课程: 线性系统, 随机系统, 无线通信, 模式识别, 凸优化, 估计与检验理论等

华南理工大学

2014.9-2018.6

- 专业: 信息工程 (本科)
- GPA: 3/4
- 核心课程: DSP, 数字图像处理, 高频电子线路, 数字/模拟电路, C, VHDL, 计算机网络, 电子系统综合设计, 嵌入式系统理论等
- 获奖: 国家级大学生创新创业训练项目优秀奖

研究经历

图像压缩感知阈值迭代重构算法研究

2017.11-2018.6

- 研究压缩感知及其两种阈值迭代重构算法原理
- 设计、实验, 比较分析几种算法在不同参数下的表现, 完成论文

多元传感融合的长时动态人体心理压力监测系统

2016.10-2018.1

- 基于实验室可穿戴设备, 寻找并建立测量情绪压力的数学模型
- 对硬件收集到的原始信号进行预处理
- 在 MATLAB 中建立可用的滤波器
- 开发本地 Java 程序对数据进行管理, 并同步至服务器
- 开发项目网页

基于“ADDIE 互联网+”模型的创新创业教学理论体系研究

2016.3-2017.4

- 设计、发放和收集问卷, 调查各高校创新创业教学情况
- 研究基于“ADDIE 互联网+”模型的创新创业教学理论, 并完成部分论文

工作经历

石溪大学本科课程助教

2019.2-至今

- 协助教授批改《随机信号与系统》课程作业、试卷
- 解答学生疑难问题

中国电信广州研究院 (实习)

2017.7-2017.8

- 测试服务间的网络, 为容器网络的部署做准备
- 研究 Linux 系统下的 shell 脚本, 容器网络和 Kubernetes
- 协助维护实验室中的云计算服务器

广东亿迅科技有限公司 (实习)

2016.7-2016.8

- 协助维护应用服务器
- 学习 Java、HTML、JavaScript、SQL 等语言

标杆管理 (中国) 公司 (实习)

2015.7-2015.8

- 支持项目经理对培训课程前期的策划
- 组织并支持培训课程
- 建议及改进宣传制品

技术能力

- 精通 Matlab, 可熟练运用逻辑回归、图像压缩感知与重建算法、光电容积信号滤波及各种空间滤波器等图像处理
- 熟练运用 Git 进行版本控制
- 熟悉 Java 语言, 可应用于 Android 系统 APP 及本地程序开发
- 掌握 C 和 VHDL 语言, 可应用于小程序、仿真程序编写
- 可使用 HTML, CSS, JavaScript, SQL 进行静态页面开发
- 熟练掌握 Photoshop, Pr 等图形、视频设计及编辑软件, 能独立开展各种图形设计和视频制作, 包括宣传海报、传单及宣传视频等
- 熟练使用 MS Office 套件进行各种类型文档的编写
- 初步掌握 Python, 编写 TensorFlow 例程

课外活动

华南理工大学电信学院学生会宣传部部长

2015.10-2016.12

- 协助学院组织举办活动
- 向同部门同学教授软件使用方法 (例如 Adobe PS、AI 和 Pr)
- 制作宣传材料, 如海报、视频等

个人主页



Shiyao Jiang

Contact Information

Email Address: shiyao.jiang@stonybrook.edu

Phone Number: +1 6312027860



Education Experiences

- Stony Brook University** 08/2018-05/2020
- **Major:** Electrical Engineering, Masters
 - **Cumulative GPA:** 3.84/4.0
 - **Key Course:** Linear Systems, Stochastic Systems, Wireless Communications, Pattern Recognition, Convex Optimization, Detection and Estimation Theory
- South China University of Tech (SCUT)** 09/2014-06/2018
- **Major:** Information Engineering, Bachelors
 - **Overall GPA:** 3.0/4.0
 - **Key Courses:** Digital/Analog Circuits, RF Circuits, DSP, C, VHDL, Computer Networks, Integrated Electronic System design, Embedded System Theory, Digital Image Processing
 - **Award:** Excellence Award in National College Students Innovation and Entrepreneurship Training Program

Project Experiences

- Research on Image Compressed Sensing and Iterative Threshold Reconstructing Algorithm** 11/2017-06/2018
- Learned the principle of compressed sensing and the two reconstructing algorithms
 - Designed experiments to compare those algorithms with different parameters
- Long-term Emotional Pressure Measurement out of Multi-source Sensing Fusion** 10/2016-01/2018
- Looked for a mathematical model that can measure the degree of emotional pressure based on the wearable devices
 - Processed the original signal collected by the hardware
 - Established a usable filtering system in MATLAB
 - Wrote a Java program to manage and sync the collected data
 - Wrote a website for this project
- Innovative Entrepreneurship Teaching Theory Based on the Model of "ADDIE Internet+"** 03/2016-04/2017
- Collected the questionnaire from the schools on Innovative Entrepreneurship Teaching Theory System
 - Studied the cases of Innovative Entrepreneurship Teaching Theory System Based on "ADDIE Internet +" Model

Work Experiences

- Teaching Assistant at Stony Brook University** 02/2019-05/2019
- Graded the tests and assignments
 - Answered the students' questions
- Guangzhou Research Institute of China Telecom Corporation Limited (Intern)** 07/2017-08/2017
- Tested the networks between servers to prepare for the implementation of new techs
 - Self-learned shell script for Linux, container network and Kubernetes
 - Helped maintain the servers in the labs
- Guangdong Yixun Technology Company Limited (Intern)** 07/2016-08/2016
- Helped maintain the application servers
 - Self-learned Java, HTML, JavaScript, SQL language
- Bench Marking Consulting (Intern)** 07/2015-08/2015
- Supported the manager to schedule consulting training for some projects
 - Organized and supported curriculums
 - Gave advice on publicity and promotion

Software & Coding Skills

- Proficient in Matlab. Can write algorithms such as logistic regression, PPG signal filtering, image compressed sensing and reconstruction algorithm and various spatial filters for image processing.
- Skilled in using Git for version controlling
- Familiar with Java language, and apply it on developing Android APP and local programs
- Master C and VHDL languages, which were used for the programing of small programs and simulations
- Static page development using HTML, CSS, JavaScript and SQL
- Proficiency in graphics, video designing and editing software such as Photoshop, Pr, etc. Can independently carry out various graphic designs and video productions, including posters, flyers and promotional videos.
- Proficiency in MS Office suite for writing various types of documents
- Master Python and write TensorFlow routines

Extracurricular Activities

Head of Publicity Department of Student Union at SCUT

10/2015-12/2016

- Taught students to use designing software (e.g., Adobe PS, AI, and Pr)
- Held departmental activities including departmental ceremonies and sports events
- Produced promotional materials such as posters and videos

Personal Homepage

