TIMOTHY GOODWIN

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EDUCATION

COLUMBIA UNIVERSITY

New York, NY
Expected May 2017

BACHELORS OF SCIENCE, Computer Science (Software Systems track)

Departmental GPA: **3.90**

Honors: **Dean's List**

WORK EXPERIENCE

GRAPHIQ, INC.

Santa Barbara, CA
Jun 2016 – Aug 2016

SOFTWARE ENGINEERING INTERN

- Led the development of serverless backend microservices on AWS.
- Expanded capabilities of the Graphiq data visualization framework.
- Designed new React UIs for new knowledge graph platform capabilities.

GOLDSMITH & CO.

New York, NY
Sep 2015 – May 2016

SOFTWARE DEVELOPER INTERN

- Designed a customizable email automation and task-management service integrated with the company's Salesforce platform.
- Developed MasterView, a weekly client report summarizer and admin tool for recruitment tasks.

INTEGRAL GROUP, LLC

Los Angeles, CA
May 2014 - Jul 2014

DATA ENGINEERING INTERN

- Wrote scripts to process sunlight and climate data to model energy usage for proposed building projects.
- Visualized processed climate data onto existing architectural modeling.
- Presented graphics depicting the build plan's green energy optimization strategies to clients.

SKILLS

Languages

C, Python, Java, Javascript, C++, PHP, OCaml, HTML5, CSS

Technologies

Linux, Git, Node.js, AWS, WebRTC, React, Angular, MongoDB, MySQL

PROJECTS

AMuSe
Wireless Networking Lab
Jan 2016 - Present

Developing the Android wireless receiver and feedback handler mechanisms for the *Adaptive Multicast Services* project, a solution for wireless multimedia content delivery in crowded venues where networks are overloaded due to a lack of wireless spectrum.

CTIS-Lambda
Summer 2016

A serverless, highly scalable image generation service designed for AWS Lambda backends, built with the PhantomJS headless browser.

My Ad Net
Summer 2016

A DNS-integrated app that locates, records, then visualizes every server collecting marketing data from or serving targeted ads to a user's browser in real time.

NYC Music Mapper
Fall 2015

A browser-based geospatial guide to the music and visual arts coverage of New York's Rare Candy Magazine.