

THOMAS THACHIL



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SKILLS

Languages

Java, Python,
JavaScript (ES6, TypeScript),
HTML, CSS, SASS,
C, Matlab

Frameworks / Libraries

jQuery, Angular, React,
Bootstrap, Materialize
OpenCV

Tools

RESTful services, UNIX, Git,
Gradle, Grunt

Databases

SQL (MySQL, SQL Server)
NoSQL (Firebase, MongoDB)

Design

Sketch 3, Adobe Photoshop

SDLC

Agile, Waterfall

Spoken Languages

English (fluent)
Malayalam (fluent)
Spanish (intermediate)



INTERESTS

- Photography
- Traveling
- Reading
- Cars
- Hiking



EDUCATION

Georgia Institute of Technology

B.S. in Computer Science

- Concentration / Threads - Information Internetworks & Media
- Honors / Awards - Dean's List, 1st Place - HackGT 2017

AUG 2015 - MAY 2019
Atlanta, GA

GPA - 3.5



EXPERIENCE

Facebook

[Incoming] Technical Program Manager (TPM) Intern

MAY 2018 - AUG 2018
Seattle, WA

Amazon.com

Software Development Engineer (SDE) Intern

JUN 2017 - AUG 2017
Seattle, WA

- Utilized collaborative filtering to generate a set of personalized product recommendations
- Implemented machine learning techniques and learned about methods of analysis including A/B testing
- Created multithreaded scripts in Python and build tasks in Java to clean and format large data sets

The Home Depot

Software Developer, Team Lead

JAN 2017 - MAY 2017
Atlanta, GA

- Led 3 developers in Internet of Things project to develop company-specific skills for Google Home
- Researched and implemented API.AI platform to leverage natural language processing and simplify experience of buying from a selection of over 700,000 products
- Designed and deployed system for API communication using Node.js, emphasizing compatibility for future integration

Bank of America

Software Development Intern

JUN 2016 - AUG 2016
Charlotte, NC

- Developed software to aid in testing legal form generation in financial center application
- Reduced time and effort spent by software testers to filter data and errors by more than 25%, resulting in a savings of more than 160 man-hours per development sprint
- Built web application using HTML, CSS, JS, and SQL while practicing Agile development methods

Thomas Thachil Photography

Founder

JAN 2016 - MAY 2017
Atlanta, GA

- Photographed Georgia Tech cultural events with crowds of 1,000+ people
- Increased revenue by 70% and tripled number of clients in 6 months

Easton Pulmonary & Critical Care

Computer Administrator

JAN 2013 - JUL 2015
Easton, PA

- Maintained proper functioning of EMR + practice management tools, local networks, website, and patient portal
- Saved practice \$10,000 annually while leading transition to electronic medical records (EMR)
- Implemented a cloud-based EMR + billing system in 6 weeks while providing on-site support to medical staff



LEADERSHIP

Alpha Kappa Psi - Professional Business Fraternity

Webmaster (Fall 2017)

SEP 2016 - Present
Atlanta, GA

- Built Python Flask application to expedite registration process for 60+ attendees at rush (recruitment event)
- Created clean user interface and data export features to display rushee details, saving 20+ hours for event organizers

Marketing Director (Spring 2017)

- Designed digital and print materials viewed by 2,000+ people using Adobe Photoshop
- Analyzed metrics while running social media campaigns with 8,000+ people reached and 12,000+ post engagements

Georgia Tech Business Forum

Marketing Lead

JUN 2017 - FEB 2018
Atlanta, GA

- Plan forum for Georgia Tech business community with workshops and speakers from Fortune 500 companies
- Market event using print and digital media to meet attendance goal of 200+ students



PROJECTS

Framehunt (1st Place at HackGT 2017)

"Ctrl-F for Video." Application to index and search content in video frames given a video link or link, built using React, Node.js, and Clarifai API for image recognition.

Clean Water App

Android + Web + iOS application for finding nearby clean water resources, reporting water sources, and water quality metrics.

Moving Object Detection

Tool utilizing OpenCV in Python to detect moving objects in video such as vehicles and pedestrians using feature detection and background subtraction methods.

airAssist (HackGT 2016)

Web application for simplifying in-flight experience for both passenger and flight attendant built using Node.js, Express, and React with Material Design components.