Charles Tark

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EDUCATION

CORNELL UNIVERSITY
BS in Computer Science
Expected May 2016 | Ithaca, NY
College of Engineering
Cum. GPA: 3.1 / 4.0

NORTH HAGERSTOWN HIGH
Grad. May 2012 | Hagerstown, MD

SKILLS

PROGRAMMING
Java • Shell • JavaScript • Matlab
OCaml • Python • Android • LaTeX
C • R • CSS • HTML • Assembly
VBA • SQL • PowerShell

SOFTWARE
Linux • Eclipse • Git • Android Studio
Photoshop • Access • SAP xMII

OTHER
Graphic Design • UI/UX Design

LINKS

Github:// cyt25
LinkedIn:// cyt25

COURSEWORK

UNDERGRADUATE
Algorithms
Operating Systems
Functional Programming
Computer Game Design
Unix Tools and Scripting
Software Engineering∗
Human-Computer Interaction Design∗
Artificial Intelligence + Practicum∗
(∗ Denotes currently taking)

EXPERIENCE

NORTHROP GRUMMAN ES | Software Engineering Intern
May 2015 – Aug 2015 | Baltimore, MD
- Designed and implemented database-driven application in JavaScript and Oracle DB to automate policy compliance for network nodes.
- Performed database model design, UI/wireframe design, and regression testing.
- Created foundation for sector-wide software solution.

June 2014 – Aug 2014 | Baltimore, MD
- Designed, implemented, and enhanced tools and software to support manufacturing within the Baltimore BWI campus.
- Implemented new functionality within the Test Data Sheets database software to improve operator efficiency and ease of use.
- Cooperated with process engineers to add critical changes to emVP software.

CUSAT NANOSATELLITE PROJECT TEAM | Mission Operations
Sept 2013 – Aug 2014 | Cornell University; Ithaca, NY
- Analyzed flight-related faults, and thermal and power-related functionality.
- Analyzed telemetry data received during ground passes of the satellite.

PROJECTS

RHAPSODIZE | Android Application for Public Speaking Training
Jan 2015 – Present | Ithaca, NY
- Collaborated with Mark Yoon to research, design, and implement android app for improving public speaking skills through training of speech disfluencies.
- Integrated Carnegie Mellon University's CMUSphinx speech recognition API for crutch word detection.
- Research paper completed and in the process of submission.

TECHREC | Product Recommendation Data-Driven Web App
Sep 2014 – Present | Ithaca, NY
- Worked with 3 other students to create intuitive, user-friendly technology product recommendation web application based on specific user needs.
- Designed and implemented compelling user interface, front-end with HTML/CSS, JavaScript
- Used Semantics3 e-commerce API, Python, PHP for backend database searching

AWARDS

2012	Current Northrop Grumman Electronic Systems Engineering Scholar
2013	Cornell Engineering Global Fellow
2014	Adobe Student Representative