

Sammuel Hobbs

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<https://github.com/Sammuel-Hobbs/cmu-gainz>

EDUCATION

Carnegie Mellon University – H. John Heinz III College
Master of Information Systems Management

Pittsburgh, PA USA
May 2019

Relevant Courses: Applied Analytics: Machine Learning Pipeline, Advanced Business Analytics, Big Data and Large-scale Computing, Data Science for Product Managers, Data Mining, Managing Analytics Projects, Agile Methods, IT Project Management, Strategic Planning, Enterprise for Innovators, Database Management, Data Warehousing, Distributed Systems

Weber State University – John B. Goddard School of Business & Economics
B.S. Supply Chain Management | B.A. Spanish

Ogden, UT USA
Dec 2016

SKILLS

Languages	Databases	Tools and Frameworks	Management
Java, SQL, Python, R, HTML, CSS, JavaScript	Oracle 11g, SQL Server, PostgreSQL, SQLite	Tableau, SAP, Minitab, MS Office, Visio & Project, TensorFlow, Flask, Django, Hadoop, MapReduce	Supply chain design, strategic sourcing, logistics, teaming, oral presentation, research, and Spanish fluency

ACADEMIC PROJECTS

Application Usage Profiling <i>Credit Suisse Bank – NYC Oct 2018</i> <ul style="list-style-type: none">Managed the team in recommending an efficient software provisioning systemDeveloped ML analyses: clustering and association rules, in Python and R	Hospital Billing System – MIMIC II DB <i>CMU – Pittsburgh 2018 – 2019</i> <ul style="list-style-type: none">Built a deep learning regression model in TensorFlow that estimates costingIntegrating the model in a full-stack app that automates tasks in billing lifecycle	Pathology Slide / Cancer Classification <i>CMU – Pittsburgh Nov 2018</i> <ul style="list-style-type: none">Fine-tune CNN image prediction model Consumer Complaint Classification <i>CMU – Pittsburgh Oct 2018</i> <ul style="list-style-type: none">NLP/text prediction of financial products
Data Science and ML Pipeline <i>Cassian Solutions – Pittsburgh 2019</i> <ul style="list-style-type: none">Evaluating healthcare data and systems integration for a novel product that addresses medication adherence	Captain America Theater Attendance <i>CMU – Pittsburgh 2018</i> <ul style="list-style-type: none">Estimated weekly attendance for Winter Soldier (2014) with exponential and geometric distributions, following MLE	Student Recognition System <i>CMU – Australia Nov 2017</i> <ul style="list-style-type: none">Integrated open-source face-recognition software in a Java-based biometric user identification and information system

EXPERIENCE

Pernix Pty Ltd – Business Process Improvement Internship – Adelaide, South Australia <ul style="list-style-type: none">Consulted with business admins, identified process improvement opportunities, provided a technical architecture for data flowDeveloped a prototype task automation tool (Flask web app) for business admin, integrating with the existing CRM system APIReduced process labor burdens by 70%, streamlining business processes and managing growth of data collection and analysis	May 2018 – Jul 2018
L3 Technologies CSW – Logistics Engineer – Salt Lake City, UT USA <ul style="list-style-type: none">Mitigated supply risk of materials nearing end-of-lifecycle (EOL) for 27 products across four ongoing DoD programsPresented mitigation recommendations to program management; analyses derived from data in SAP and engineering databasesPrepared EOL impact analyses to support mitigation strategies for over 40 proposals in new program contracts with the DoDTrained team members about EOL financial impacts on programs and therefore its effects on the company's strategic mission	Feb 2016 – Aug 2017
Treehouse Children's Museum – Office Manager – Ogden, UT USA <ul style="list-style-type: none">Prepared and presented financial reports for company executives; managed QuickBooks records, following GAAP standardsAnalyzed financial datasets to formulate proposals for private and public monies, having exceeded \$1,000,000 in awards	Dec 2014 – Mar 2016

LEADERSHIP & AWARDS

• <i>Professional Scrum Master I</i> , Scrum.org	2018
• <i>Finalist</i> , Deloitte Consulting Case Challenge (Heinz College)	2018
• <i>Ambassador</i> , Heinz College Admissions Ambassador Program	2018-2019
• <i>Semi-finalist</i> , Hilti IT Competition: IoT in the Construction Industry	2018
• <i>Champion</i> , Starbucks/Arizona State National Supply Chain Case Analysis Competition	2016
• <i>Finalist</i> , General Motors/Wayne State Supply Chain Case Analysis Competition	2016
• <i>Scholarship</i> , Council of Supply Chain Management Professionals	2016
• <i>Research Presentation</i> , Decision Sciences Institute Annual Conference	2016
• <i>Leadership Award</i> , John B. Goddard School of Business & Economics	2016
• <i>Student Senator</i> , John B. Goddard School of Business & Economics	2015-2016
• <i>Study Abroad</i> , Guatemala: Women Studies & Microfinances	2014