

Brian A. Heckman

(610) 730 - 5095 | baheckma@syr.edu | baheckman.github.io

EDUCATION

| | | |
|--|---|---|
| B.S. Computer Science Minor: Economics, Mathematics | Syracuse University CGPA: 3.5 | Expected May 2017 Major GPA: 3.65 |
| Past Coursework: Data Structures, Algorithms, Data Mining, Operating Systems, Computer Organization, Programming languages, Discrete Mathematics, Probability, Statistics, Linear Algebra | | |
| Current Courses: Stochastic Processes, Econometrics, NLP, Software Engineering, Computational Physics | | |

TECHNICAL EXPERIENCE

| | | |
|--|---|--------------------|
| Software Engineering Intern | GE Digital | Summer 2016 |
| <ul style="list-style-type: none">Implemented SmartSignal Runtime Modeling Engine in .NET core for integration with Cloud Foundry in order to increase total asset instances from 200 to over 200,000Wrote unit tests for both cloud and native implementation of Runtime Modeling EngineCreated RESTful API to display all TeamCity build information with current status updatesTechnologies: C#, C++, XUnit, JavaScript, Node.js, Agile, Scrum | | |
| Undergraduate Researcher | Syracuse University Computer Security Research Group | Summer 2015 |
| <ul style="list-style-type: none">Wrote python scripts to automate data residue detection algorithms on over 500 Android imagesTechnologies: Java, Android, Python, Baksmali | | |

PROJECTS

www.github.com/baheckman

| | |
|---|--|
| Stock Market Prediction Project | (R, RStudio) |
| <ul style="list-style-type: none">Compared Linear Regression and Support Vector Regression to predict Dow Jones stock pricesWrote a paper entitled "Data Mining and Machine Learning Techniques for Dow Jones Stock Forecasting" | |
| StormyCuse | (Android, Java, OpenWeather API, Google Maps API) |
| <ul style="list-style-type: none">Designed Android app to give instant weather updates based on GPS location | |

SKILLS

Languages: Java, Python, Haskell, R
Tools: Unix, Git, Visual Studio, XUnit

COURSERA COURSES

[statement of accomplishment at baheckman.net/links](http://statementofaccomplishment.baheckman.net/links)

The Data Scientist's Toolbox (Johns Hopkins University)

ACTIVITIES AND HONORS

| | | |
|--|---|--|
| HackerRank: Algorithms Level 1 Badge | Teaching Assistant: CIS351 Data Structures | IEEEExtreme 2014, 2015: 24 Hour Programming Competition |
| Treasurer: IEEE Syracuse University Chapter | Tutor: Discrete Mathematics, Intro to Computer Science | Excelerator: Syracuse University CS Program |