

GRANT NICHOLAS

(330) 840 1336 | grantnicholas2015@u.northwestern.edu
github.com/grantnicholas | grantnicholas.github.io

EDUCATION

September 2011-Present **Northwestern University, Evanston IL**
B.S. in Biomedical Engineering and minor in Computer Science expected in 2015
Cumulative GPA: 3.73/4.00 Northwestern Dean's List ACT: 35

WORK EXPERIENCES

June 2014-September 2014 **Digital Bridge Solutions**, Web development internship, *Developer intern*
· Utilized full LAMP stack for backend and Javascript/jQuery and Sass for frontend
· Led development and deployment of the updated Digital Bridge company website including a fully responsive layout and case study display @ dbridgesolutions.com
· Migrated an existing client's website to a new server in order to save nearly 50% a year in hosting fees without a reduction in service quality
· Set up an FTP server, wrote shell scripts to automate database and media backups, and wrote scripts to export product transaction information for order processing

June 2013-August 2013 **UMass Amherst**, Research Experience for Undergraduates [REU], *Student researcher*
· Computationally modeled an engineered fungus in Matlab using flux balance analysis to help increase bioethanol production yield

April 2012-November 2012 **Northwestern University**, iGEM engineering competition, *Student researcher*
· Engineered, modeled with Matlab, and constructed a bacterial probiotic to increase iron absorption in the body by over 100%
· Co-developed the team website @ 2012.igem.org/Team:Northwestern
· Won a gold medal at the U.S. regional competition and qualified for the international competition where we presented our work

ACCOMPLISHMENTS

June 2014-Present **Self-led project**, Stat-tracking gaming app, *Co-programmer*
· Designed and developed a web-app to keep track of user stats, host games, and assign fair teams based on stats for the Dota2 gaming community
· Utilized full MEAN stack, socket.io for chat, and async for easy callback handling
· Deployed on Heroku @ cihl-dota.herokuapp.com

April 2014-Present **Northwestern**, Associated Student Government [ASG], *VP of data analytics*
· Led data analytics committee, analyzed survey data using python/matplotlib, and presented results to ASG on how to use survey data to inform decision making

September 2013-Present **Northwestern**, On-campus python tutor, *Tutor*
· Tutored students on introductory python concepts on a weekly basis

SKILLS

Programming **Proficient:** Python, Javascript, Django, Node.js, Matlab **Basic:** Angular, PHP, Sass
Databases: MySQL, MongoDB **OS of choice:** Ubuntu 14.04 | | CentOS 6.5

Interests Cooking Italian food and playing with new Javascript frameworks