

THOMAS G. HEATWOLE

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EDUCATION

University of Virginia - School of Engineering and Applied Sciences

Charlottesville, VA

B.S Computer Science

Expected May 2019

- In-major GPA: 3.9/4.0, Cumulative GPA: 3.5/4.0
- Relevant coursework: Algorithms, Computer Architecture, Program and Data Representation, Human-Computer Interaction, Theory of Computation, Software Development Methods, Discrete Mathematics

EXPERIENCE

AT&T Inc.

Chicago, IL

Incoming Software Engineering Intern

Starting June 2017

Center for Open Science

Charlottesville, VA

Software Developer Intern

May 2016 – August 2016

- Created a free and open-source web application using JavaScript (Ember.js) and Python (Django REST Framework) for scientific research conferences (<https://osf.io/meetings>) – received over 1000 submissions in 2016.
- Participated in an Agile software development lifecycle with two-week code sprints, daily stand-up Scrum meetings, and Git for version control.

University of Virginia Department of Computer Science

Charlottesville, VA

Teaching Assistant

January 2016 – Present

- Assisted professors with *Algorithms* (CS 4102), *Software Development Methods* (CS 2110), and *Discrete Mathematics* (CS 2102).
- Graded exams and assignments, proctored weekly lab sections, and hosted weekly office hours to help students with algorithm design and analysis, object-oriented programming, Java, and C++.

PROJECTS AND EXTRACURRICULARS

Best Way Back – TBTN Hackathon at UVA (<https://github.com/tomheatwole/bestwayback>)

April 2017

- Created a JavaScript web application integrated with the Google Maps API which uses government-issued crime data to calculate the safest walking route to a given location.
- Won awards for “Best Overall Hack” and “Best User Experience Hack”.

March Madness Picking Contest (<https://abinpc-aac43.firebaseio.com>)

January 2017 – Present

- Solely developed a JavaScript web application which allows users to enter picks, view picks, and view scoring for the NCAA March Madness tournament.
- Designed and implemented an improved scoring algorithm which awards more points for correctly picking upsets.

EmberFire Find Query Add-on (<https://github.com/tomheatwole/ember-emberfire-find-query>)

January 2017

- Researched, designed, and implemented a solution for a deprecated feature of EmberFire which allows users to search with multiple parameters in the same database query.
- Published an open-source Ember.js add-on to node package manager (npm) – over 30 daily downloads.

Virginia Poker Association *President*

April 2016 – Present

- Founded the University of Virginia’s first poker club and gained over 50 active members after one semester through advertising and recruiting.
- Oversee management of budget, schedule, monthly tournaments, and charity poker events.

SKILLS

Languages: Java (proficient), C/C++ (proficient), JavaScript (proficient), Python (proficient), HTML/CSS (used), PHP (used), MySQL (used), MATLAB (used)

Software: Linux/Unix (proficient), Git (proficient), Vim (proficient), Eclipse (proficient), Visual Studio (used)