

Clayton D. Petty

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EDUCATION

Texas A&M University , College Station, TX Bachelor of Science in Computer Science Overall GPR: 4.0	May 2018
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EXPERIENCE

HomeAway , Austin, TX <i>Software Engineer Intern</i> <ul style="list-style-type: none">• Worked on the Search Team to develop tools to assist with the migration of location data• Applied Java 8 streams to filter and manipulate data for consumption by search admin tools• Designed and wrote unit tests to verify server-side functions in Java using JUnit• Utilized the Google Maps API and WKT information to manipulate and visualize geo-data• Employed AngularJS, JavaScript, and server-side Java to develop a grid-oriented admin tool for managing location data	June 2015 – August 2015
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ACTIVITIES

Texas A&M Computing Society (TACS) <i>Communications Officer (April 2015 – Present)</i> <ul style="list-style-type: none">• Manage all communication and coordination between over 150 TACS Members and fellow officers• Design and lead skill-based workshops to further members' skills with particular software and programming techniques <i>Member (September 2014 – April 2015)</i> <ul style="list-style-type: none">• Texas A&M's student chapter of the Association for Computing Machinery and IEEE professional association• Support, explore, and advance the applications of information technology	September 2014 – Present
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Aggie Computer Science and Engineering Scholars Program (ACE) <i>Member</i> <ul style="list-style-type: none">• Interact with honors faculty and students through honors classes and events• Participate in seminars and organized activities within a community of scholars	September 2014 – Present
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Residence Hall Association (RHA) <i>President of Les Appelt Residence Hall</i> <ul style="list-style-type: none">• Design, organize, and execute residence hall events, socials, and gatherings for more than 300 residents• Manage the Les Appelt Residence Hall budget in order to maximize benefit for the hall	September 2014 – August 2015
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PROJECTS

Claytonpetty.com <ul style="list-style-type: none">• A website written using Node.js, JSON, the Jade templating engine, and CSS• Serves as a technical blog with posts written in Markdown, hosted on claytonpetty.com One <ul style="list-style-type: none">• A command line based file upload/download service written in Python to interface with MediaFire• Utilized Python's Argparse and Requests libraries as well as MediaFire's Python SDK Program Grader <ul style="list-style-type: none">• A website for evaluating and grading student-submitted programs (for high school computer science teachers)• Written using JavaScript, Node.js, HTML, CSS, MongoDB, and GNU Compiler Collection Track That Element (TTE) <ul style="list-style-type: none">• Google Chrome plugin written in JavaScript to track webpage HTML elements and alert users as to when they change	
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LANGUAGES AND SKILLS

Proficient in JavaScript and Python
Experience with C++, Java, Git, Bash, HTML, CSS, Node.js, MongoDB, Apache Maven, JUnit

HONORS

Raymond H. Eubank '48 Family Scholarship in Computer Science	September 2014 – May 2015
MediaFire 1st place award at TamuHack College Station Hackathon	October 2014
Eagle Scout in the Boy Scouts of America	August 2013
Code Day Austin Hackathon Best in Show Award for TTE	March 2013