CLAYTON D. PETTY

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EDUCATION

8/14 – 5/18	**Texas A&M University**, **Dwight Look College of Engineering**	**College Station, TX**
	Bachelor of Science in Computer Science, EH-CSCE Honors Program	GPA: 3.95
	Minors in Math and Business	SAT Math: 800, SAT Verbal: 670

WORK EXPERIENCE

5/16 – 8/16 **Microsoft Corporation**   **Seattle, WA**
Software Engineer Intern
- Created a feature to minimize email noise via content filtering for the Outlook Web App, used by 400 million clients
- Developed within the Model-View-View-Model software architectural pattern to separate backend and business logic from actual user interface elements
- Gradually released and monitored feedback on noise minification feature, servicing as necessary
- Coordinated with UI/UX Designer and Product Manager to optimize feature presentation and user interaction

6/15 – 8/15 **HomeAway**   **Austin, TX**
Software Engineer Intern
- Worked on the search team to develop tools to assist the migration of location data
- 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 tool for managing location data

PROJECTS

4/16 **Literate**   **Python**
- Create a Markov chain based on a text input that tracks probability of characters
- Generate pseudo-random text that maintains a similar style to the original text

9/15 **Claytonpetty.com**   **JavaScript, Node.js**
- 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

10/14 **One**   **Python, MediaFire API**
- 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

LANGUAGES AND SKILLS

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

LEADERSHIP AND INVOLVEMENT

9/16 - Present **Horizons Consulting Guild**   **College Station, TX**
Consulting Guild Member
- Selected as one of 16 undergraduates for an intensive career preparation program focused on opportunities in management consulting

2/16 – Present **Students Engineers' Council (SEC)**   **College Station, TX**
Marketing Career Fair Coordinator (3/16 – Present)
- Establish, plan, and carry out various marketing techniques for the nations largest student run career fair
- Contact and advertise to over 400 companies and a body of 15,000 students
System Administration Committee (2/16 – Present)
- Create, design, and maintain all SEC web interfaces and online tools, encompassing 14 different committees

9/14 – Present **Texas A&M Computing Society (TACS)**   **College Station, TX**
President (4/2016 – Present)
- Lead Texas A&M's student chapter of the Association for Computing Machinery and IEEE professional associations
- Design and organize skill-based workshops to further members' skills with software and programming techniques
Communications Officer (4/2015 – 4/2016)
- Manage all communication and coordination between over 150 TACS Members and fellow officers

9/14 - Present **Engineering Honors Computer Science & Engineering Program**   **College Station, TX**
Member
- Paired with four international students to help them adjust to Texas A&M life
- Attend weekly forums to discuss current global issues and plan for upcoming international events

HONORS & ACTIVITIES

Facebook IAP Computer Science Honors Scholarship, Dean's Honor Roll, USAA IAP Computer Science Honors Scholarship, Raymond H. Eubank '48 Family Scholarship in Computer Science, MediaFire 1st Place Award at TAMUHack 2014, Code Day Austin Hackathon Best in Show Award, Eagle Scout in the Boy Scouts of America