

Devin Caplow-Munro

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Education

University of Pennsylvania, School of Engineering & Applied Science, Philadelphia, PA

Candidate for Bachelor of Science in Engineering in May 2017

Major: Mechanical Engineering & Applied Mechanics, **Minor:** Computer Science

GPA: 3.33/4.00

Kings High School, Seattle, WA

GPA: 3.7/4.0

SAT: 2280

Experience

Children's Hospital of Philadelphia, Center for Injury Research and Prevention (Summer 2014 - Present) - REU Intern

- Eye tracking solution for driving simulator, designed and implemented
- Technical paper for system currently in review for SAE conference

Electroimpact, Inc. WA (Summer 2012, 2013) - Intern/Technician

- Developed high accuracy testing surface for *Automatic Fiber Placement* arm. (2012)
- Designed laser metrology process for machining large (>40ft) parts (2013)

Projects

Gamma Type Sterling Engine (Fall 2013)

- All-metal heat engine designed and manufactured in machine shop class
- High-precision flywheel manufactured using CNC

Composite-Body Quadcopter Design (Spring 2013)

- Monocoque wings
- CAD Design available at: tinyurl.com/odfpokt

FTC Robotics World Championship 2012 & 2013 (Team 3717)

- **2013:** 2nd Place, Captain, WA State Champion, World PTC Design Award
- **Design Lead (2012):** 3rd Place, WA State Champion

Technical Skills

SolidWorks, MatLab, C/C++, Arduino, Java, Python, Microsoft Office, Linux, OCaml

Relevant Coursework: Mechanical Design, Thermodynamics, E&M, Statics, Machining, Computer Systems, Multivariable Calculus, Linear Algebra, Discrete Math

Current Coursework: Engineering Calculus, Dynamics, Advanced CAD/CAM, Quantum Mechanics of Materials

Honors and Activities

University of Pennsylvania: UPenn Battlebots Club Vice President, Science and Technology Wing Board Member, **Mechanical Engineering TA**